



US Army Corps of Engineers

Levee Screening Tool (LST) User Manual

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1. About this Manual

This manual is a user's guide to the web-based Levee Screening Tool (LST) for performing a screening risk assessment of a levee segment or system. By user role, it explains each process step by step, with screenshots annotated by callouts and descriptions below.

This manual is designed to guide you through the LST web based application. Please refer to RMC-L-xx Levee Screening Tool document on how to gather, assemble and analyze data for input into the web based Levee Screening Tool.

1.1 What is LST?

The Levee Screening Tool (LST) provides a preliminary assessment of the general condition and associated risks of levee segments and systems in support of the USACE Levee Safety Program established in 2006 via the National Flood Risk Management Program. The screening process will be used to evaluate all levee segments/systems in the Corps' National Levee Database (NLD). This includes all Federal Levees built and maintained by USACE, all Federally Built and Locally Maintained Levees with an active status in the Inspection of Completed Works Program, and all Locally Built and Locally Maintained Levees with an active status that have been incorporated into the USACE's Rehabilitation and Inspection Program.

The LST will provide an initial relative risk index to assist local, state, and Federal stakeholders in identification and prioritization of funding needs for levees of concern. Routine inspection data will be combined with a preliminary engineering assessment to indicate the ability of a levee system to perform as intended and the consequences of potential failure.

Results from the LST will be used to identify relative risks and initially characterize and classify levees in the national portfolio. Specific performance concerns and potential consequences of failure will be identified to guide priorities for national levee safety activities (e.g. periodic inspections, studies and investigations, and implementation of interim and permanent risk reduction measures). Levee issues will be communicated to owners, stakeholders, and the public for prioritization and action.

1.2 Who uses LST?

The primary users of LST will be members of the District Assessment Team, Major Subordinate Command (MSC), and Headquarters (HQ). Specifically:

1. District Assessment Team

- **Facilitators:** The District Facilitator is district appointed to enter screening information into LST. Facilitators use LST to create/edit/view/submit screenings.
- **Levee Safety Officer (LSO):** The District Levee Safety Officer (LSO) is responsible for quality assurance and serving as the technical lead for levee safety overseeing the District Levee Safety Program. The LSO is generally the chief of engineering division. LSO's use LST to approve or reject screenings during their review.
- **Levee Safety Program Manager (LSPM):** The District LSPM is responsible for coordinating and implementing the District Levee Safety Program. LSPM's use LST to approve or reject screenings during their review.

2. **Region (MSC):** Review and approve screening rollups.

3. **Cadre (HQ):** Review the screening rollups and recommends the Levee Screening Action Classification (LSAC) rating

4. **Senior Oversight Group (SOG):** Final review and approval of the levee screening. Finalizes the LSAC rating.

1.3 LST Process Overview

The Levee Screening and Review process is depicted in Figure 1.3-1.

1. District Facilitator - Creates new screening or edits existing screening. Completes and submits screening
2. LPSM – Reviews, approves or rejects screening
3. LSO – Reviews, approves or rejects screening
4. MSC - Reviews, approves or rejects screening
5. Cadre HQ - Reviews, recommends LSAC rating, approves or rejects screening
6. SOG - Reviews, finalizes LSAC rating, approves or rejects screening

If the screening is rejected at any level, the screening is sent back to the District Facilitator and must start the approval process at the LSPM level. When an screening action is taken, LST automatically notifies the next level approver and adds the screening and update the status in the reporting page (see section 4.1).

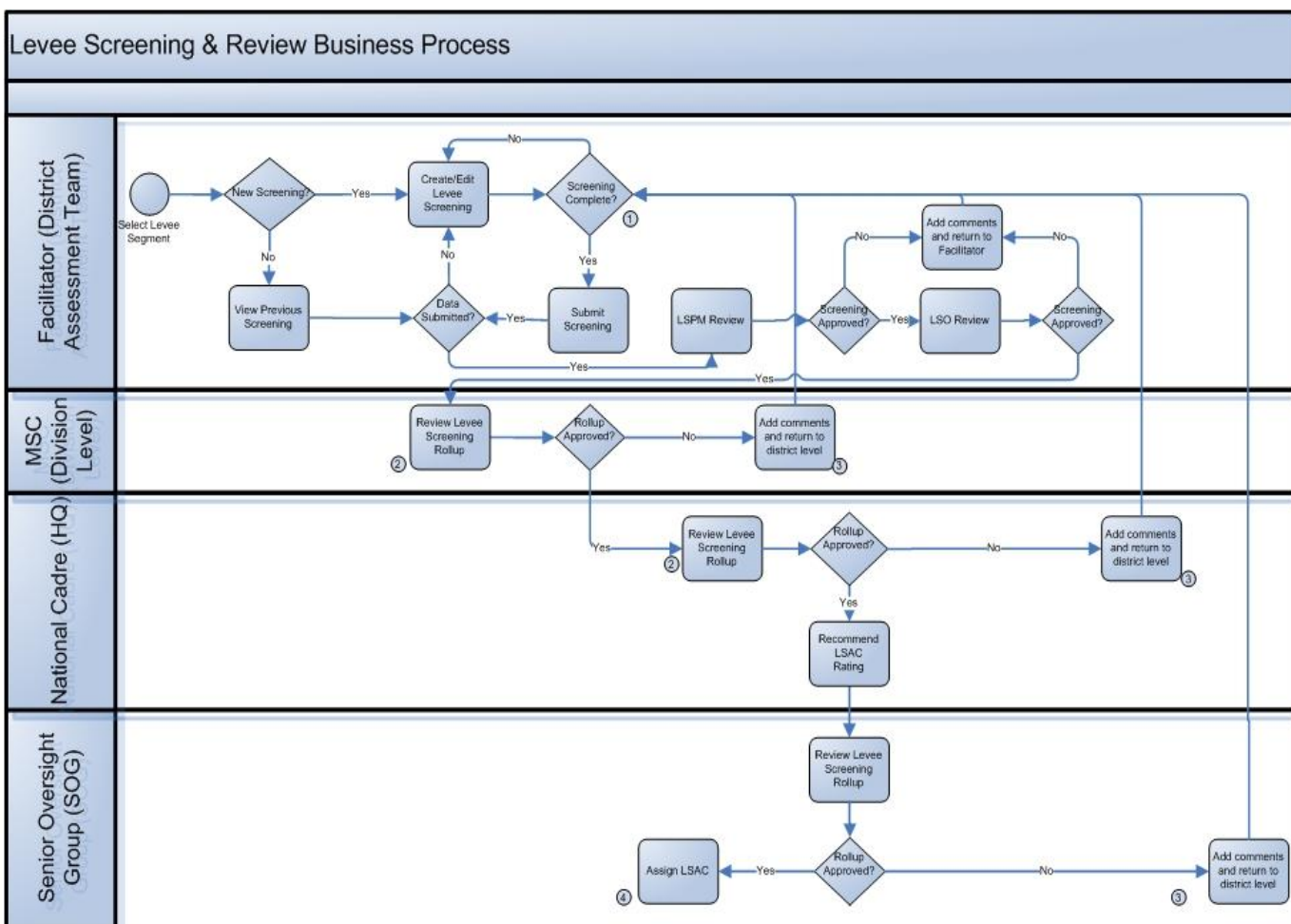


Figure 1.3-1: Levee Screening and Review process

2. Getting Started

This section applies to all user roles and provides instruction on how to access LST. By the end of this unit, you will be able to access the Levee Screening Tool.

2.1 LST Application Terms

There are several action terms used through this manual to perform LST application functions and actions. These terms include:

- **Click** – Refers to using a computer mouse and using the left click button to perform an action on a web page. Click refers to a single click action.
- **Text Box** – A box in a web page which allows the user to enter free form text in a web page form.
- **Pull Down Menu** – A web page object with allows the user to select from one pre-populated list of data inputs.
- **Radio Button** – A round selection button used to choose items from a list. Radio buttons are designed so that you can choose only one item.
- **Button** – A text label action button which executes an action such as a query or calculation when clicked on.
- **Link** – A text link on a web page which allows the user to navigate to a different web page by clicking on it.
- **Tab** – Refers to a link that is represented in a graphical tab format.

2.2 Technical Requirements

LST is a web-based application requiring no locally installed software. The initial release of LST has been designed for and tested for Internet Explorer 7. Other current browsers such as Mozilla Firefox and Google Chrome should work as well, but are unsupported. Additionally, the approval process requires a DoD CAC reader and card to submit a digital signature.

To access LST you will need:

- a. A computer with an internet connection.
- b. Microsoft Internet Explorer (IE) version 7 or Later. IE7 is currently the USACE standard and should be loaded on all USACE computers. If you have an older version of IE, please notify the ACE-IT help desk.
- c. A username and password to the LST system to be able to access the LST system at: <https://maps.crrel.usace.army.mil/LST>
- d. To access LST, you will need to use a USACE UPASS User Name and LST password. You may obtain a password by contacting the levee safety officer in your district to receive a username and password. You will be given a specific role for the system that will allow you to properly interact with LST. When you

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receive your user name and password, you may click the “Login” tab in the top right to login.

- e. Access to LST outside the USACE network or virtual private network (VPN) can be found at: <https://leveescreening.usace.army.mil> . This site can be access with an assigned user name and password.

2.2.1 Launching LST

Launching LST involves opening an internet browser and directing the browser to LST site.

2.2.2 Launching Internet Explorer Browser

Since LST is a web-based application, to launch the tool, you must first launch Internet Explorer. There are a number of ways to do this; three of the more common methods are outlined below.

Method 1: Double-click the Internet Explorer shortcut icon on your desktop.



Figure 2.2.2-1: Internet Explorer Desktop Shortcut

Method 2: Click the Internet Explorer icon in your quick launch menu.



Figure 2.2.2-2: Quick Launch Menu

Method 3: Select Internet Explorer from your Start menu.

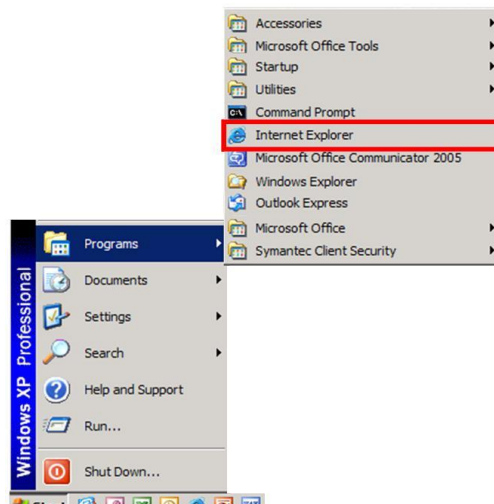


Figure 2.2.2-3: Start Menu

1. Click the “Start” button;
2. Mouse up to Programs; and
3. Click Internet Explorer in the expanded menu to the right.

2.2.3 Navigating to LST

Once the browser window has launched, navigate to LST home screen, shown in **Figure 2.2.3-1**.

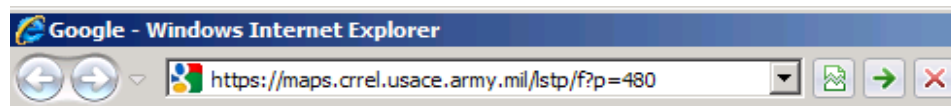


Figure 2.2.3-1: Internet Explorer Address Bar

- Enter the appropriate URL, in the Address bar:
<https://maps.crrel.usace.army.mil/LST>
- Hit the ENTER key on your keyboard or click the “Go” button to the right of the address in the browser.

2.3 Navigation

When accessing LST, you are required to type in your UPASS ID and password in order to log in with your respective role (and the associated permissions). Please also note when logging in, if you receive an error message regarding the website security certificate, please click on the “Continue to this website” link.

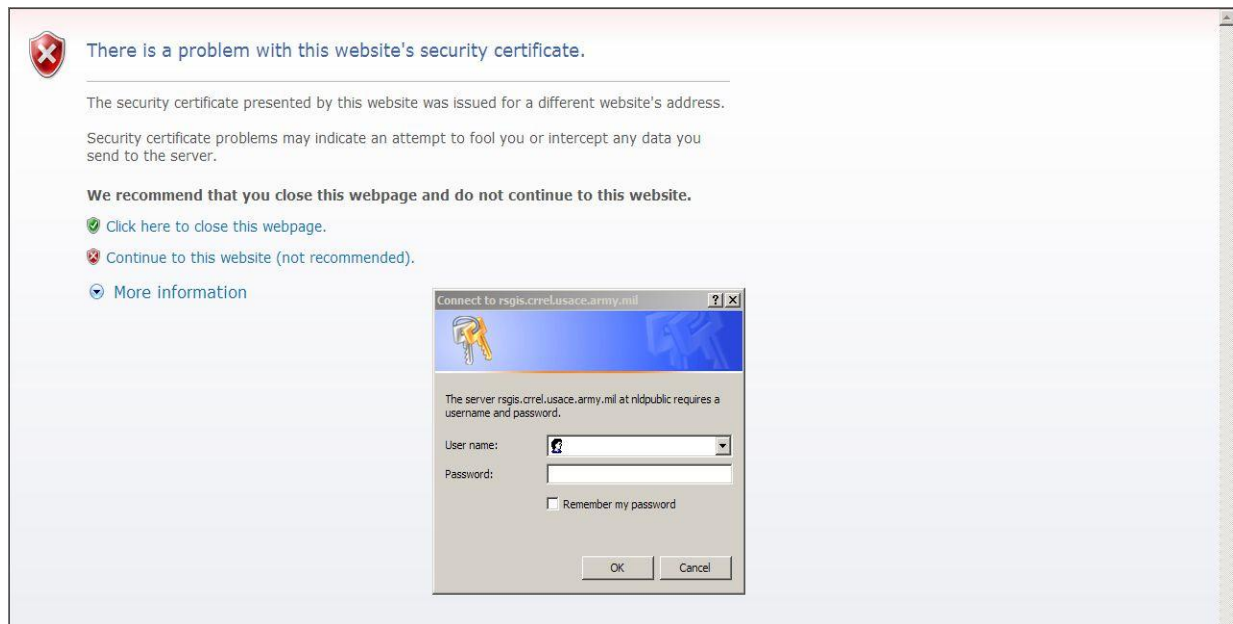


Figure 2.3-1: Certificate Error and Log in Screen

Once you log into LST you are re-directed immediately to the default or home page. Please note that the tabs are in blue and are displayed on the screen on the top, right hand side right underneath the banner. The Home tab contains an introductory welcome message. From here you are ready to click on the other tabs and use the application.

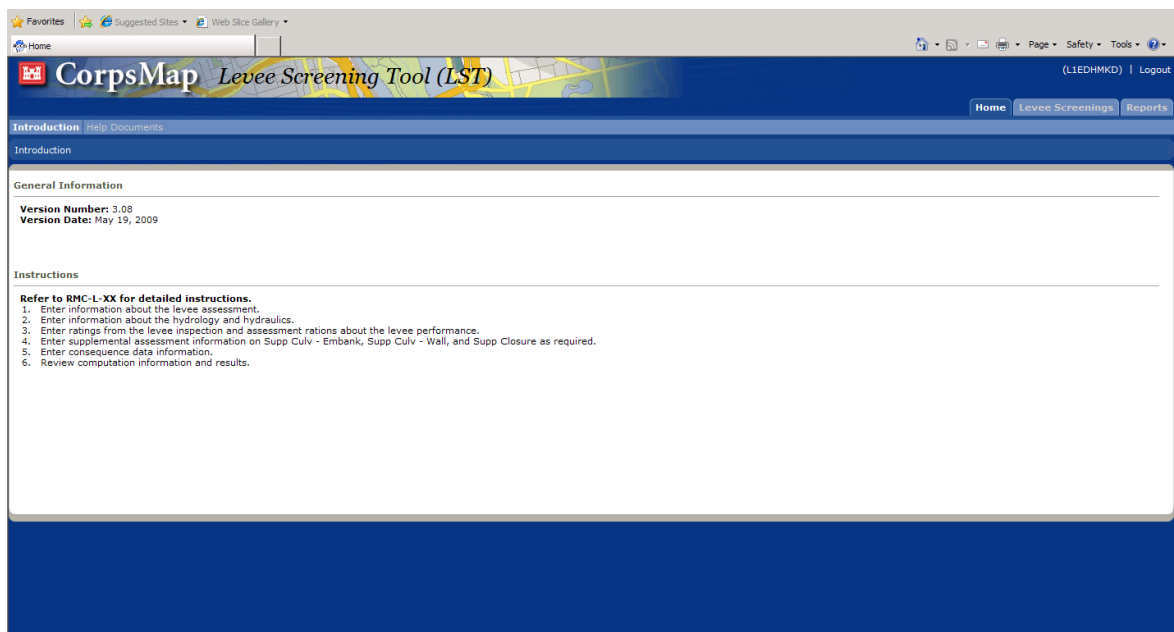


Figure 2.3-2: LST Default (Home) Page

2.4 Getting Help

LST help pages and supporting documents can be found by clicking on the Help Documents link from the LST Home Page. For technical issues or questions concerning LST send the LST Helpdesk an email @ LSTHelpdesk@usace.army.mil

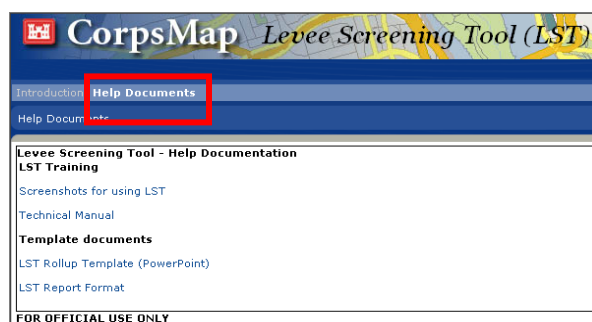


Figure 2.4-1: Help Documents

3. District Screening Team

This section applies to the District Level Screening Team which includes the Facilitator, LSPM and LSO.

3.1 Navigating to Levee Screening

To access the Levee Screening page, click on the “Levee Screenings” Tab. This will produce a list of levees in your district or the ones that you have permission to access. See Figure 3.1-1. This is also known as the levee list page.

Division	District	Segment Name	System Name	Screenings	Population At Risk	Total Property Value
NWD	KANSAS CITY	Grape-Bollin-Schwartz Levee Association	Grape-Bollin-Schwartz Levee Association	0	30	\$1,959.52
NWD	KANSAS CITY	Armourdale Unit	Armourdale Unit	0	3244	\$265,513.79
NWD	KANSAS CITY	Fairfax-Jersey Creek	Fairfax-Jersey Creek	0	0	\$79,317.69
NWD	KANSAS CITY	CID, Missouri	CID, Central Industrial District	0	631	\$192,605.68
NWD	KANSAS CITY	Argentine Unit	Argentine Unit	0	36	\$280,047.09
NWD	KANSAS CITY	North Kansas City Airport Unit	North Kansas City Levee Unit	1	4083	\$1,524,166.42
NWD	KANSAS CITY	North Kansas City Lower Unit	North Kansas City Levee Unit	1	4083	\$1,524,166.42
NWD	KANSAS CITY	CID, Kansas	CID, Central Industrial District	0	631	\$192,605.68
NWD	KANSAS CITY	Fairbury, NE	Fairbury, NE	0	274	\$17,185.14
NWD	KANSAS CITY	Manhattan Unit	Manhattan Unit	0	4671	\$373,769.35
NWD	KANSAS CITY	Birmingham Unit	Birmingham Unit	0	331	\$53,968.35
NWD	KANSAS CITY	East Bottoms Unit	East Bottoms Unit	0	690	\$330,780.32
NWD	KANSAS CITY	Salina, KS FPP	Salina, KS FPP	0	40500	\$2,082,116.46
NWD	KANSAS CITY	Ray County Levee & Drainage District No. 2	Ray County Levee & Drainage District No. 2	0	22	\$1,066.69
NWD	KANSAS CITY	New Haven	New Haven	0	2	\$173.93
NWD	KANSAS CITY	MRLS 476-L	MRLS 476-L	0	84	\$4,955.18
NWD	KANSAS CITY	Lawrence Unit	Lawrence Unit	0	2355	\$157,759.96
NWD	KANSAS CITY	Gypsum	Gypsum	0	408	\$18,566.40
NWD	KANSAS CITY	Bean Lake Levee Association	Bean Lake Levee Association	0	67	\$4,990.09
NWD	KANSAS CITY	Platte County Drainage District No. 1 Section 1	Platte County Drainage District No. 1 Section 1	0	98	\$4,003.44

Figure 3.1-1: Levee Screening Page

By default, 25 screening or rows are displayed. To change the number of rows displayed, select the pull down menu next to the “Rows” text, click the number of rows you would like to display and click on the Go button.

To navigate to the next set of records or rows, click on the arrow icon on the bottom right and corner of the levee list page.

Gypsum	0	408	\$18,566.40
Bean Lake Levee Association	0	67	\$4,990.09
Platte County Drainage District No. 1 Section 1	0	98	\$4,003.44
Henrietta-Crooked River L&D Dist, Sec 2	0	673	\$43,914.41
Egypt Levee & Drainage District	0	14	\$467.74
MRLS 500-R	0	5	\$485.66
MRLS 497-L	0	34	\$1,127.65
Lower Chariton River Levee District	0	63	\$2,991.31

1 - 25 ➡

Figure 3.1-2 Navigate to Next Set of Records

At the top of each report page is a search region. The region provides the following features:

- **Select columns icon** - allows you to identify which column to search (or all).
- **Text area** - allows for case insensitive search criteria (no need for wild cards).
- **Rows** - selects the number of records to display per page.
- **[Go] button** - executes the search.
- **Actions Menu icon** - displays the actions menu (see section 5.0).

Please note that all features may not be available for each report.

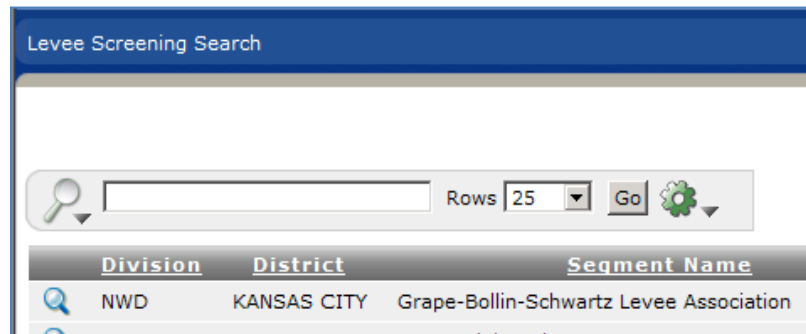


Figure 3.1-3 Levee Screening Navigation Bar

3.1.1 View Levee Information

To view a levee and see high level information, click on the search icon  which corresponds to the record in the list.

3.2 Create or Edit Levee Screening

After you click on the magnifying glass icon, the application will navigate you to the levee segment overview page. Your options are:

1. Cancel – Returns user to the list of Levee Screening.
2. View and edit existing screening – This option is only available if a levee screening has been executed.

3. Start a new levee Screening – Allows you to search for a specific word within the results list.

3.2.1 Levee Information

The Levee information tab is the starting point for creating or editing a levee screening. If you are creating a new screening, some of the levee information will be “pre-populated” from the National Levee Database.

You will need to complete the following required fields:

- Assessment date
- Inspector Name

CorpsMap Levee Screening Tool (LST) (U4RRCBDR) | Logout

Home Levee Screenings Reports Users

Levee Information Hydrology and Hydraulics Performance Consequences Documents Computations Results Status

Levee Screening Search Bardstown FDRP Levee Information

Levee Screening created.

Levee Information

Project Location (Geographic District):	LOUISVILLE
System Name:	Bardstown FDRP
Segment Name:	Bardstown FDRP
Project Type:	USACE Federally constructed, turned over to public sponsor operations and maintenance
Project Name:	Bardstown Flood Damage Reduction Project
Assessment Date:	
Assessment Facilitator Name (Last, First):	Richman, Benjamin
Inspector Name (Last, First):	
Routine Inspection Date:	
Hydraulics Advisor*:	
Geotech Advisor*:	
Structural Advisor*:	
Economic Advisor*:	
Sponsor Present during the Screening?	☐
Last Updated:	30-APR-2010 16:35:28
Last Updated By:	Richman, Benjamin

* Indicates a field required before the screening can be submitted.

Press Save to Update Calculations and Ratings

Save Cancel

Figure 3.2.1-1 Screening Information

Click on the save button and proceed to the next screen – “Hydrology and Hydraulics”

LST Tip: Ensure that you save your changes to each page before navigating to the next. If not, your changes will be lost.

Hydrology and Hydraulics

The hydrologic and hydraulic input data for the LST is subdivided into three general categories of pages represented by tabs:

1. **Flood Frequency** – This is the default Page. The required inputs include estimates of annual exceedence probabilities for water levels at the toe, authorized capacity, and incipient overtopping of the levee system. Additional supplemental information must also be gathered and entered into the tool to provide a baseline dataset for the levee portfolio.
2. **Data Sources** - The required inputs include age and methodology of the hydrologic data, scope, and other data source information.
3. **Design and Certification Criteria** – The required inputs include questions regarding probability and uncertainty analysis, overtopping, and National Flood Insurance Program (NFIP) levee evaluation standards.

CorpsMap Levee Screening Tool (LST) (U4RRCBDR) | Logout

Home Levee Screenings Reports Users

Levee Information **Hydrology and Hydraulics** Performance Consequences Documents Computations Results Status

Levee Screening Search Bardstown FDRP Hydrology and Hydraulics

Flood Frequency Data Sources and Methods Design and NFIP Levee Evaluation Criteria

1. What is the estimated minimum return period in years for water level at the toe of the levee? [Comments](#)
2. What is the estimated minimum return period in years for water level at the authorized capacity of the levee? [Comments](#)
3. What is the estimated return period in years for the incipient overtopping event? [Comments](#)
4. What is the estimated return period for the largest historical flood in years that has occurred since construction of the levee? [Comments](#)
5. What is the estimate the levee height? [Comments](#)

Press Save to Update Calculations and Ratings

[Save](#) [Cancel](#)

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Figure 3.2.1-2: Flood Frequency Input Page

Performance

The performance ratings should be developed by the assessment team after all readily available project data has been reviewed and the routine inspection is complete. This includes any design documents, as built plans, construction records and photos, past

performance history, instrumentation records, etc. There are six performance modes that need to be assessed for a segment.

Click on the Performance link to navigate to the Levee Screening Performance page. Complete the Historical Performance information and save your changes. You have the option to add Levee Performance Mode information such as Closure Systems, Embankments and/or Floodwalls. To add a performance mode, select one from the Performance Mode pull down menu and click on the Add Performance Mode Button.

CorpsMap Levee Screening Tool (LST) (U4RRCBDR) | Logout

Home Levee Screenings Reports Users

Levee Information Hydrology and Hydraulics **Performance** Consequences Documents Computations Results Status

Levee Screening Search Bardstown FDRP Performance

Performance Mode: Embankment and Foundation Seepage and Piping Performance Mode Add Performance Mode

no data found

Historical Performance

1. Has the levee ever experienced a failure breach due to any performance mode prior to overtopping? Comments
2. Has heroic floodfighting ever been used to prevent failure breach due to any performance mode prior to overtopping? Comments
3. Has the levee ever experienced an overtopping event? Comments
4. Has heroic floodfighting ever been used to prevent levee overtopping? Comments
5. How many times has a flood loading exceeded 25% of the levee height? Comments
6. How many times has a flood loading exceeded 50% of the levee height? Comments
7. How many times has a flood loading exceeded 75% of the levee height? Comments

Press Save to Update Calculations and Ratings

Save Cancel

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Figure 3.2.1-3: Performance Page

The application will add the Performance Mode item in a table box. You can edit or add information to the performance mode item by clicking on the edit icon . To delete a performance item from your list, click on the delete icon . To complete a supplemental assessment for either closures or culverts choose the edit icon  in the corresponding column.

Consequences

Next step in the Levee Screening data input process is Consequences. Click on the Consequences link to navigate to the Consequences page. Consequences contain 3 pages represented in the screening tabs:

1. General Information
2. Evacuation Effectiveness
3. Fatality Rate Computation

CorpsMap Levee Screening Tool (LST)

(U4RRCBDR) | Logout

Home Levee Screenings Reports Users

Levee Information Hydrology and Hydraulics Performance **Consequences** Documents Computations Results Status

Levee Screening Search Bardstown FDRP Consequence Assessment

General Information Evacuation Effectiveness Fatality Rate Computation Critical Infrastructure

General Information About Protected Area

Population in Protected Area	0
Number of Structures in Protected Area	1
Property Value in Protected Area (\$1000s)	\$17
Population Index Factor	1
Structure Index Factor	1
Economic Index Factor	1
Population in Protected Area	0
Number of Structures in Protected Area	1
Property Value in Protected Area (\$1000s)	\$17
Daytime Population Estimate	.17
Nighttime Population Estimate	.09

Comments

0 of 8000

Press Save to Update Calculations and Ratings

Restore Default Save Cancel

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Figure 3.2.1-4: Consequences Page

Complete your information on all three pages ensuring that you save your changes to each.

Documents

To navigate to the Documents page click on the Documents link at the top of the page. The Documents page has 3 sections with corresponding link tabs:

1. Document List
2. Upload Document
3. Fact Sheet

The Documents list page displays all of the documents by type you are currently working on that have been uploaded to the system for the levee screening. You can view, download or delete documents from this page.

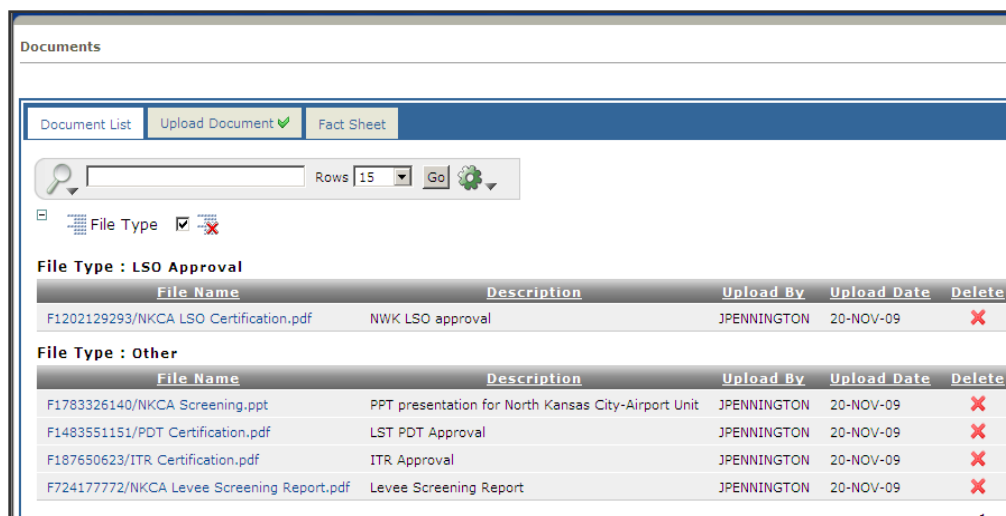


Figure 3.2.1-5: Document List Page

To upload a document:

1. Click on the Upload Document tab
2. Browse to the location of the file on your computer or server location
3. Select the file type
4. Add comments as needed
5. Click the Upload Button

The document will appear in the document list.

To delete a document:

1. Click on the delete icon  next to the document you would like to delete

The list will refresh and the deleted document is removed.

Note – This action will permanently delete the document from the application.

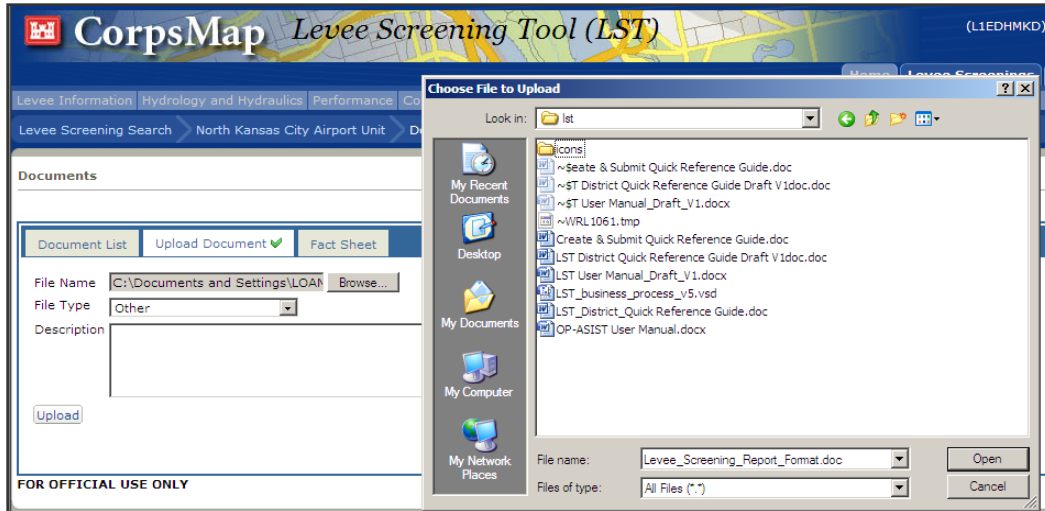


Figure 3.2.1-6: Upload Document Tool

The Documents section also includes a Fact Sheet page which contains level information including Levee Description, Major Findings and Conclusions, Recommendations, Levee Data, % Contribution to Risk, and Consequences.

Levee Description, Major Findings and Conclusions and Recommendations are populated by the District Facilitator. Levee Data, % Contribution to Risk, and Consequences are pre-populated from information provided in the application by other pages. The Fact Sheet can be saved or downloaded from this page.

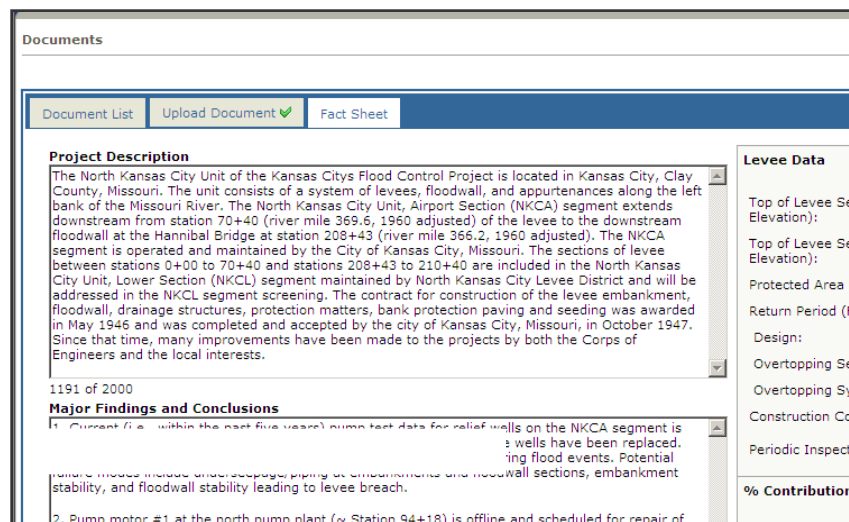


Figure 3.2-7: Documents Fact Sheet Page

Computations

The next step in the Levee Screening data review process is Computations. Click on the Computations link to navigate to the Computations page. The Computations page contains 4 sections represented in the following screen tabs:

1. Performance Mode
2. All Performance Modes
3. Performance Modes Prior to Capacity Exceedance
4. Capacity Exceedance Performance Mode

Icw Status	Performance Mode	Load	Performance	Performance (Adjusted)	Life Loss	Economic Loss (in 1000s)	Performance Index	Life Index
8/8	Embankment and Foundation Seepage and Piping	3.32E-01	1.09E-03	1.09E-03	0	\$784	1.81E-04	3.3
6/7	Embankment Stability	3.32E-01	4.84E-04	4.83E-04	0	\$784	8.03E-05	1.3
4/4	Embankment Erosion	3.32E-01	4.79E-04	4.78E-04	0	\$784	7.95E-05	1.3
-	Closure Systems Performance Mode	3.32E-01	-	-	0	\$784	-	-
0/4	- Post & Panel	3.32E-01	-	-	0	\$784	-	-
0/4	- Stoplog/Bulkhead	3.32E-01	-	-	0	\$784	-	-

Figure 3.2-8: Documents Fact Sheet Page

Results

The final page(s) in the Levee Screening review process is Results. Click on the Results link to navigate to the Computations page. The Results page contains 3 sub-sections represented in the following screen tabs:

1. **Conditional Performance Index Summary** - The Conditional Performance Index Summary results chart indicates the levee's performance type and corresponding conditional performance index.
2. **Performance Index Vs. Life Loss** - The Performance Index vs. Life Loss results chart indicates the levee's conditional performance index and corresponding loss of life index.
3. **Performance Index Vs. Economic Loss** - The Performance Index vs. Economic Loss results chart indicates the levee's conditional performance index and corresponding economic loss index.

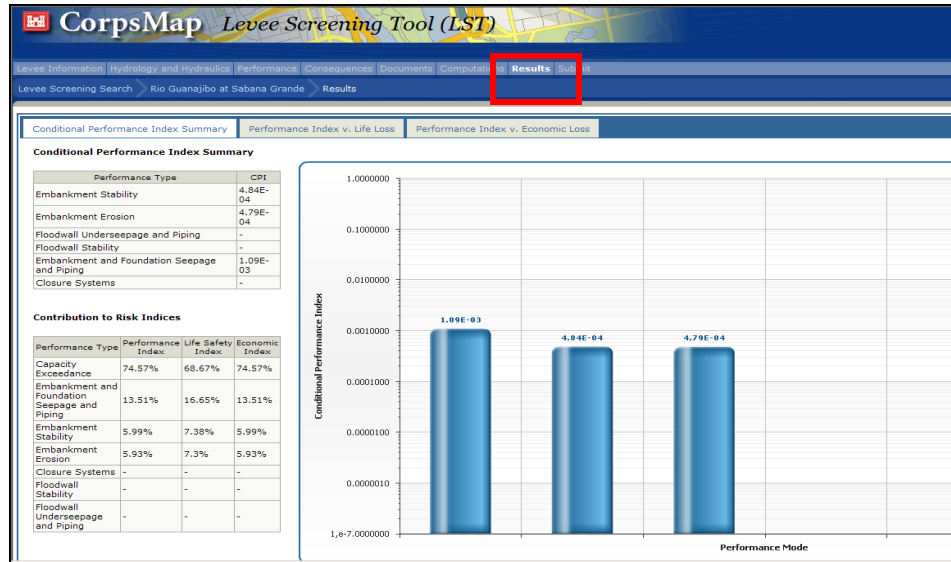


Figure 3.2-9 Results Page

3.3 Validate and Submit a Levee Screening

Once you have completed entering all of the levee screening information, you can submit the levee screening. To begin the levee submission process, follow the Submit link to navigate to the Submit page. The default page is the Warnings screen. This page lists any data entry issues with need to be corrected before you can submit the levee screening.



Figure 3.3-1 Validate Error Report

Once you have corrected all of the issues, navigate back to the Submit page. If LST accepts all of your changes, the Warning tab/page will no longer be present, and you will only see the Submit Screening page. **Repeat the error correction process until you can only see the Submit Screening Page.**

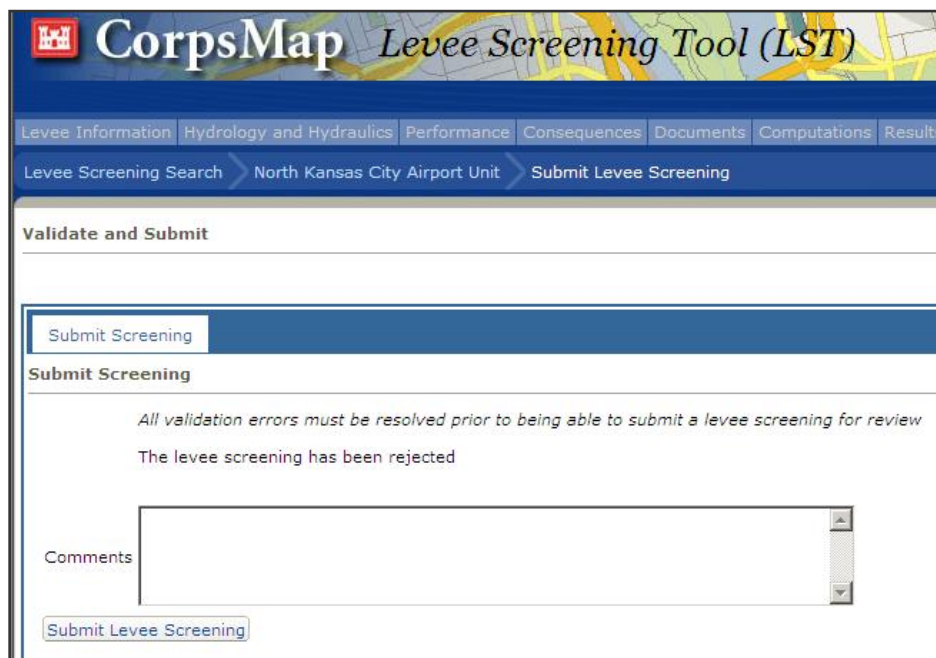


Figure 3.3-2 Submit Screening Page

Click on the Submit Levee Screening button. You will see a message stating **“The levee screening has been completed by the facilitator at the district level and submitted for review.”**

3.4 LSPM and LSO Approval (LSPM and LSO user only)

LSPM Approval

Before the Levee screening is submitted for Division level approval, it must be approved by the District LSPM and LSO. The District LSPM will navigate to the Submit a Levee Screening page. **It is recommended the LSPM and LSO review all levee screening pages before making an approval decision.** The two options are to approve or reject the levee screening.

The screenshot shows the CorpsMap Levee Screening Tool (LST) interface. At the top, there's a navigation bar with links: Levee Information, Hydrology and Hydraulics, Performance, Consequences, Documents, Computations, Results, Log, and Submit. Below this, a breadcrumb trail reads: Levee Screening Search > Levee Unit No. 5 > Submit Levee Screening. A message box at the top states: "Levee screening submitted for review." Below this, a section titled "Validate and Submit" contains a "Warnings" tab and a "Submit Screening" button. The "Submit Screening" section includes the text: "All validation errors must be resolved prior to being able to submit a levee screening for review" and "The levee screening has been completed by the facilitator at the district level and submitted for review." Below this, a "District LSPM Screening Approval" section contains two buttons: "Approve Screening" and "Reject Screening". At the bottom, there's a section labeled "FOR OFFICIAL USE ONLY".

Figure 3.4-1 District LSPM Approval Page

If approve is selected, the LSPM will ensure that their CAC card is inserted into the card reader. A dialog box will appear prompting the LSPM to enter the master password (pin).

This screenshot is similar to Figure 3.4-1, but it includes a "Password Required" dialog box. The dialog box has a question mark icon and the text: "Please enter the master password for the ActivIdentity ActivClient 0." Below this text is a password input field with masked characters (*****). At the bottom of the dialog box are "OK" and "Cancel" buttons. The background interface is the same as in Figure 3.4-1.

Figure 3.4-2 Pin Entry Dialog Box

A second dialogue box will appear prompting the user to re-enter their master password (pin) confirming their desire to sign the message.

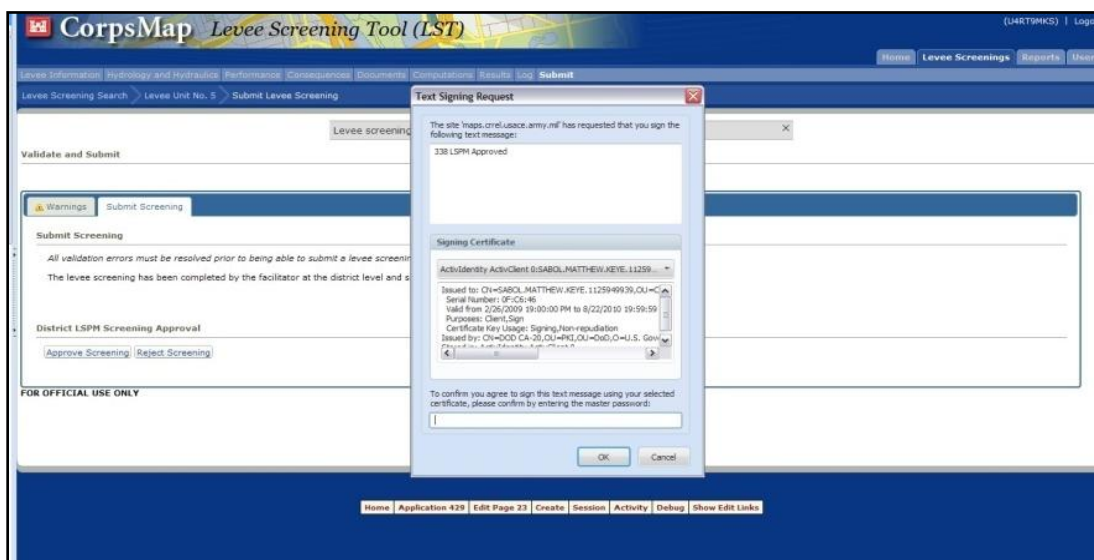


Figure 3.4-3 Certificate Signature

Choose certificate – Click OK

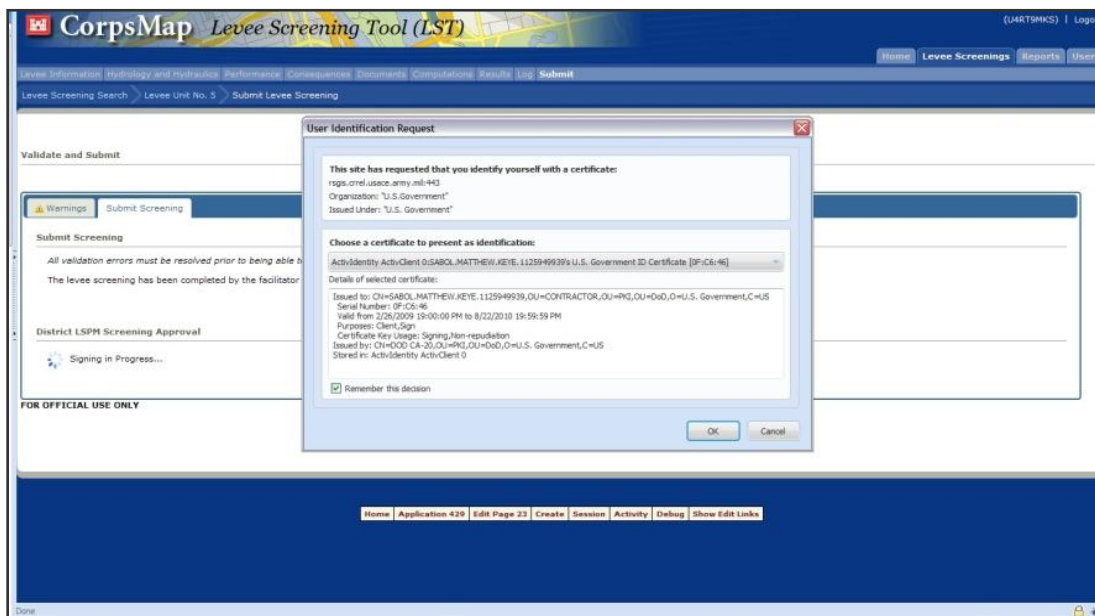


Figure 3.4-4 User Identification Request Box

Enter your LST user name and password

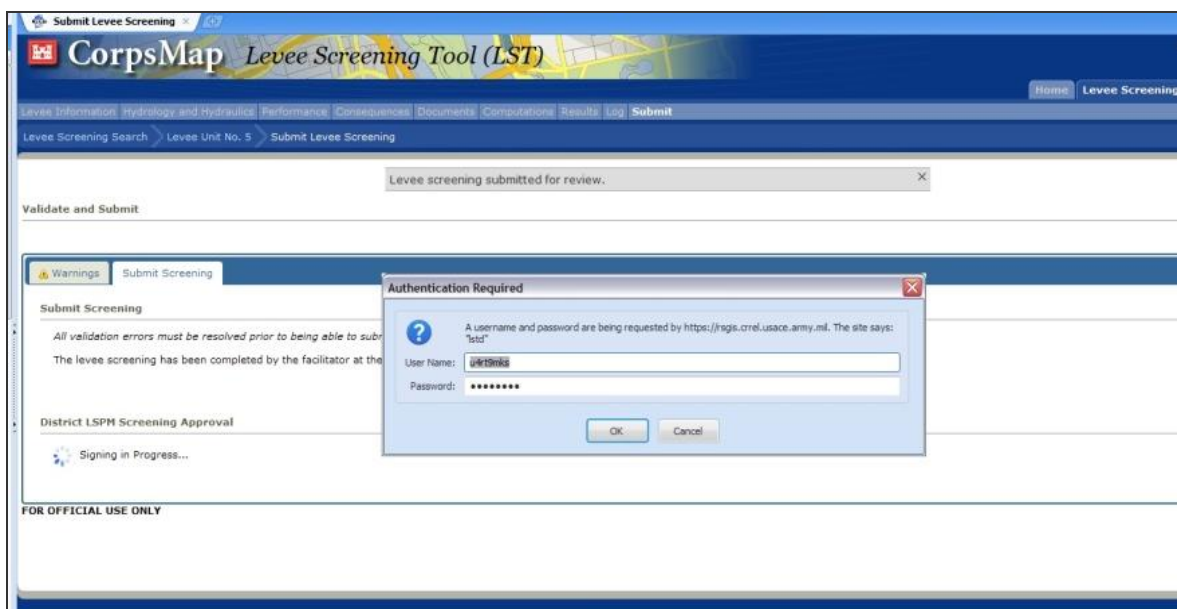


Figure 3.4-5 LSPM Authentication

LSO Approval

The final step in the submission process is the district LSO approval. The LSO must sign into LST and navigate to the Submit Levee page. The LSO has the option to approve or reject the District Levee Screen submission. The LSO will repeat the same CAC signature process as the district LSPM.



Figure 3.4-6 District LSO Approval Page

3.5 Reject Levee Screening

To reject a level screening click on the Reject Screening button from the Levee Status page. You will be directed to the reject screening page. You are required to enter an explanation for the rejection action. Click on Submit Screening to finalize the reject screening process.

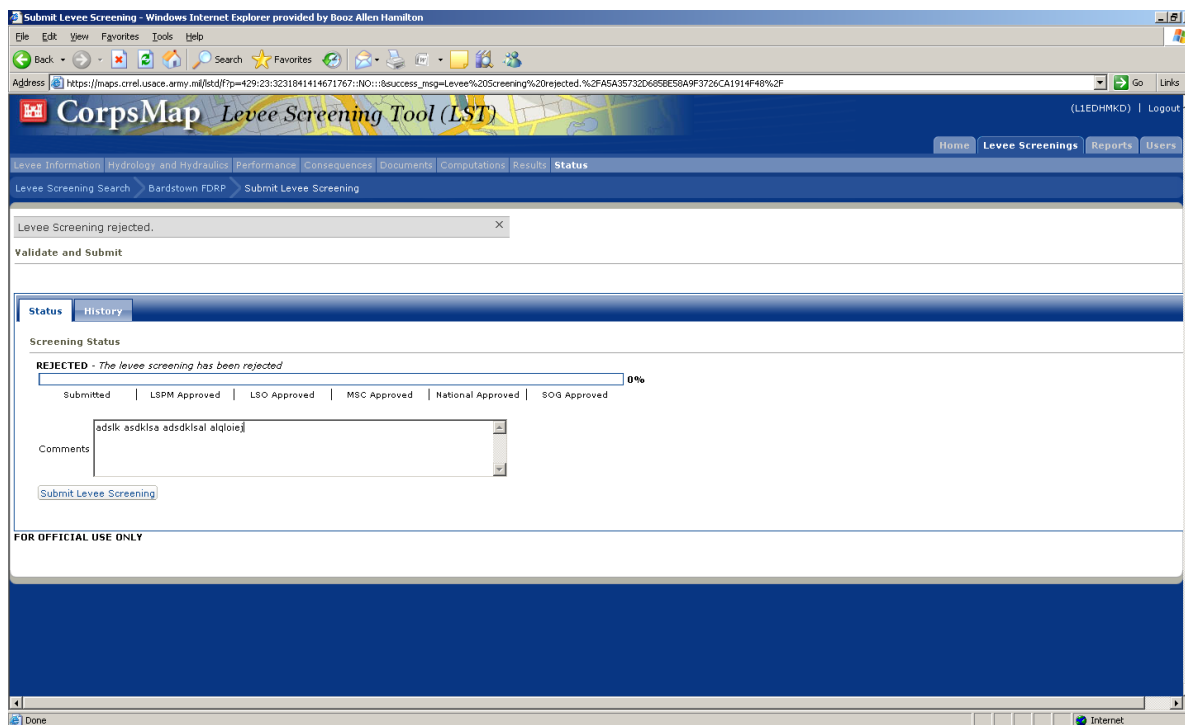


Figure 3.5-1 Reject Levee Screening

4. Levee Screening Approval Process (MSC, HQ and SOG)

This section applies to the levee screening approval process post District level submission and approval. Levee screenings are approved in the following order:

1. MSC
2. Cadre HQ
3. SOG

4.1 Review a Levee Screening

Log on to the LST application (see Section 2). To view a list of submitted levee screenings, navigate to the Reports page by clicking your mouse on the “Reports” tab. You will see a list of Submitted Levee screenings.

From this page you have the option to:

- View a levee screening
- Update the approval status

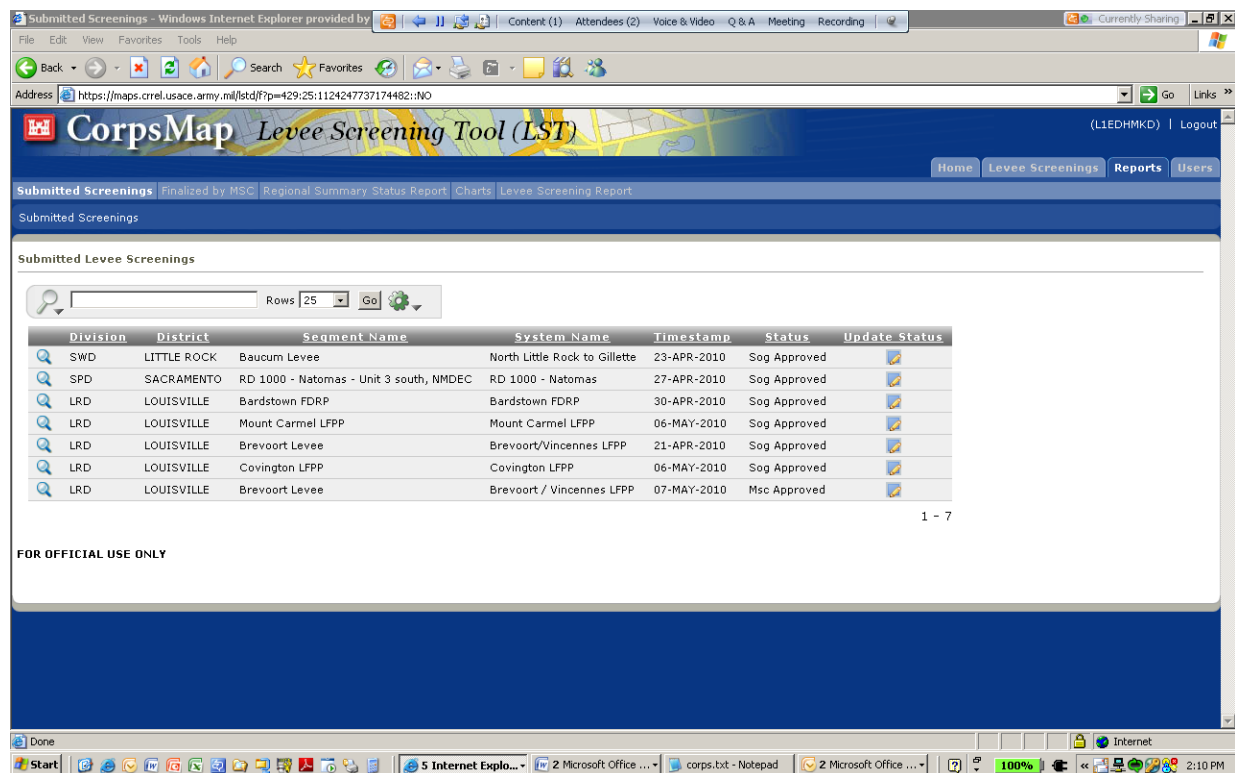


Figure 4.1-1: Levee Screening Page

DRAFT

The list of levee screening information includes Division, District, Segment Name, System Name, Time Stamp, and Status. To view the levee overview pages, click the view details icon. You have the option to search for a levee screening record by using the Levee Screening Search tool, which is located above the levee screening list.

To view a levee and see high level information, click on the search icon  which corresponds to the record in the list.

You can also search for a levee screening record by using the Levee Screening Search, which is located above the levee screening list.

Type in a search string such as the levee name; click on the search Icon and select which type of information you would like to query.

Submitted Levee Screenings

Division Rows 

All Columns	Segment Name	System Name
Division	Rio Guanajibo at Sabana Grande	Rio Guanajibo at Sabana Grande
District	Rio Cibuco at Vega Baja East	Rio Cibuco at Vega Baja
Segment Name	Rio Cibuco at Vega Baja West	Rio Cibuco at Vega Baja
System Name	Rio Anton Ruiz at Humacao	Rio Anton Ruiz at Humacao
Timestamp	Metro East Sanitary District Segment	Metro East & Chain of Rocks System
Status	MVD	ST. LOUIS Chain of Rocks Segment
Update Status	MVD	ST. LOUIS Main St./ North Main St. Levee Improvement District Segment
	NWD	KANSAS CITY MRLS 448-443-L
	NWD	KANSAS CITY North Kansas City Lower Unit
	NWD	KANSAS CITY North Kansas City Airport Unit
	MVD	ST. LOUIS Wood River D&LD Lower Segment

Figure 4.1-2: Levee Screening Page

Click the “Go” button. This action will return the queried results. The initial levee screening page is “Levee Information.”

4.2 Levee Screening Information Categories

The Levee Screening page contains several links at the top of the page:

1. Levee Information
2. Hydrology and Hydraulics

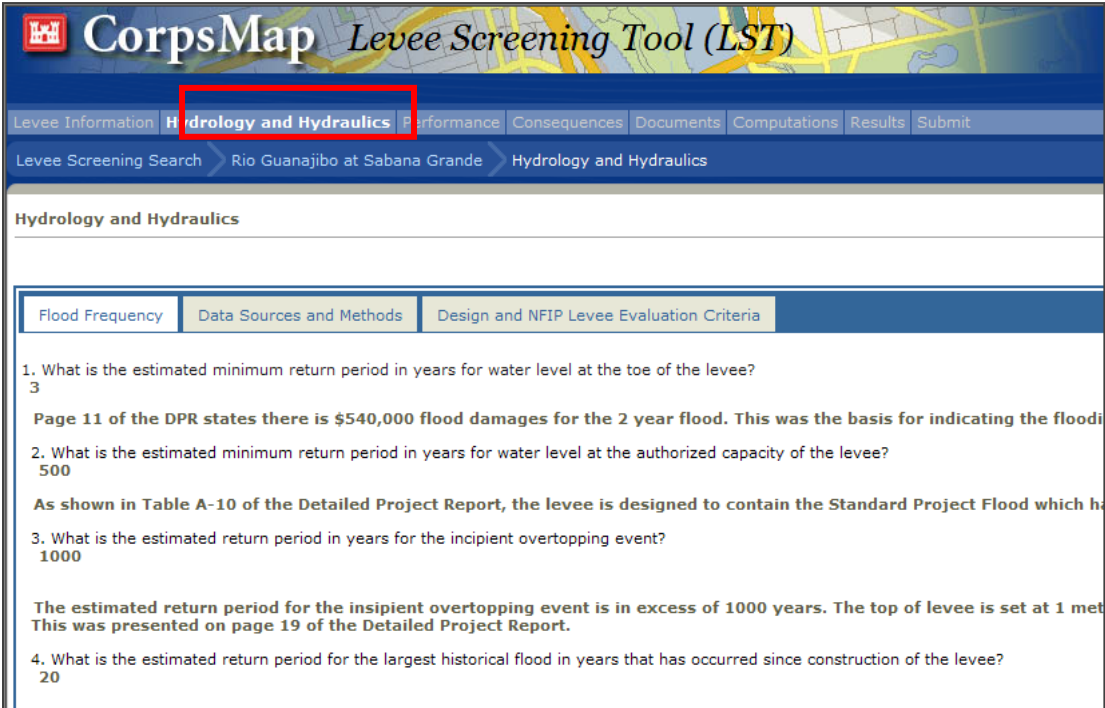
3. Performance
4. Consequences
5. Documents
6. Computations
7. Reports

It is recommended that all tabs of information are reviewed before approval action is taken.

Hydrology and Hydraulics

To navigate to the next page, click on the Hydrology and Hydraulics link at the top of the page. There are three tabs with links to information input pages:

1. Flood Frequency
2. Data Sources and Methods
3. Design and Certification Methods



CorpsMap Levee Screening Tool (LST)

Levee Information **Hydrology and Hydraulics** Performance Consequences Documents Computations Results Submit

Levee Screening Search > Rio Guanajibo at Sabana Grande > Hydrology and Hydraulics

Hydrology and Hydraulics

Flood Frequency Data Sources and Methods Design and NFIP Levee Evaluation Criteria

1. What is the estimated minimum return period in years for water level at the toe of the levee?
3

Page 11 of the DPR states there is \$540,000 flood damages for the 2 year flood. This was the basis for indicating the floodi

2. What is the estimated minimum return period in years for water level at the authorized capacity of the levee?
500

As shown in Table A-10 of the Detailed Project Report, the levee is designed to contain the Standard Project Flood which ha

3. What is the estimated return period in years for the incipient overtopping event?
1000

The estimated return period for the insipient overtopping event is in excess of 1000 years. The top of levee is set at 1 met
This was presented on page 19 of the Detailed Project Report.

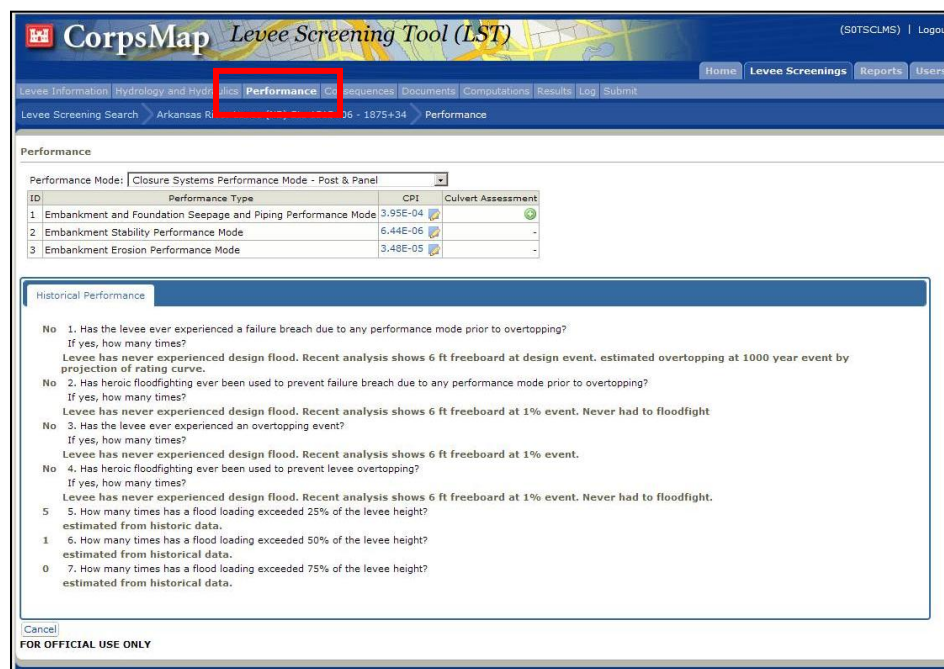
4. What is the estimated return period for the largest historical flood in years that has occurred since construction of the levee?
20

Figure 4.2-1 Hydrology and Hydraulics Page

Performance

Click on the Performance link to navigate to the Levee Screening Performance page.

If Performance Mode information such as Closure Systems, Embankments and/or Floodwalls, they will be listed in the performance page table. Performance Mode information can be viewed by clicking the edit icon .



CorpsMap Levee Screening Tool (LST) (S0TSCMLS) | Logout

Home Levee Screenings Reports Users

Levee Information Hydrology and Hydraulics **Performance** Consequences Documents Computations Results Log Submit

Levee Screening Search Arkansas River 1875+34 Performance

Performance

Performance Mode: Closure Systems Performance Mode - Post & Panel

ID	Performance Type	CPI	Culvert Assessment
1	Embankment and Foundation Seepage and Piping Performance Mode	3.95E-04	
2	Embankment Stability Performance Mode	6.44E-06	
3	Embankment Erosion Performance Mode	3.48E-05	

Historical Performance

No 1. Has the levee ever experienced a failure breach due to any performance mode prior to overtopping?
If yes, how many times?
Levee has never experienced design flood. Recent analysis shows 6 ft freeboard at design event. estimated overtopping at 1000 year event by projection of rating curve.

No 2. Has heroic floodfighting ever been used to prevent failure breach due to any performance mode prior to overtopping?
If yes, how many times?
Levee has never experienced design flood. Recent analysis shows 6 ft freeboard at 1% event. Never had to floodfight.

No 3. Has the levee ever experienced an overtopping event?
If yes, how many times?
Levee has never experienced design flood. Recent analysis shows 6 ft freeboard at 1% event.

No 4. Has heroic floodfighting ever been used to prevent levee overtopping?
If yes, how many times?
Levee has never experienced design flood. Recent analysis shows 6 ft freeboard at 1% event. Never had to floodfight.

5 5. How many times has a flood loading exceeded 25% of the levee height?
estimated from historical data.

1 6. How many times has a flood loading exceeded 50% of the levee height?
estimated from historical data.

0 7. How many times has a flood loading exceeded 75% of the levee height?
estimated from historical data.

Cancel
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Figure 4.2-2 Performance Page

Consequences

Next page in the Levee Screening data review process is Consequences. Click on the Consequences link to navigate to the Consequences page. The Consequences home page contains three additional 3 pages represented in the screen tabs:

1. General Information
2. Evacuation Effectiveness
3. Fatality Rate Computation

CorpsMap Levee Screening Tool (LST)

Levee Information Hydrology and Hydraulics Performance **Consequences** Documents Computations Results Su

Levee Screening Search > Rio Guanajibo at Sabana Grande > Consequence Assessment

Consequence Assessment

Must enter minimum elevation in NAVD 88.

General Information Evacuation Effectiveness Fatality Rate Computation

SECTION I: General Information About Protected Area

I. General Information About Protected Area

992	Population in Protected Area Polygon
418	Number of Structures in Protected Area Polygon
\$55,807	Property Value in Protected Area Polygon (in 1000s)
Comments	

Figure 4.2-3 Consequences

Documents

To navigate to the Documents page click on the Documents link at the top of the page. The Documents page has 3 pages with corresponding link tabs:

1. Document List
2. Upload Document
3. Fact Sheet

The Documents list page displays all of the documents, by type, that have been uploaded to the system for the levee screening you are currently working with. You can view and/or download documents from this page by clicking on the document name highlighted in blue text.

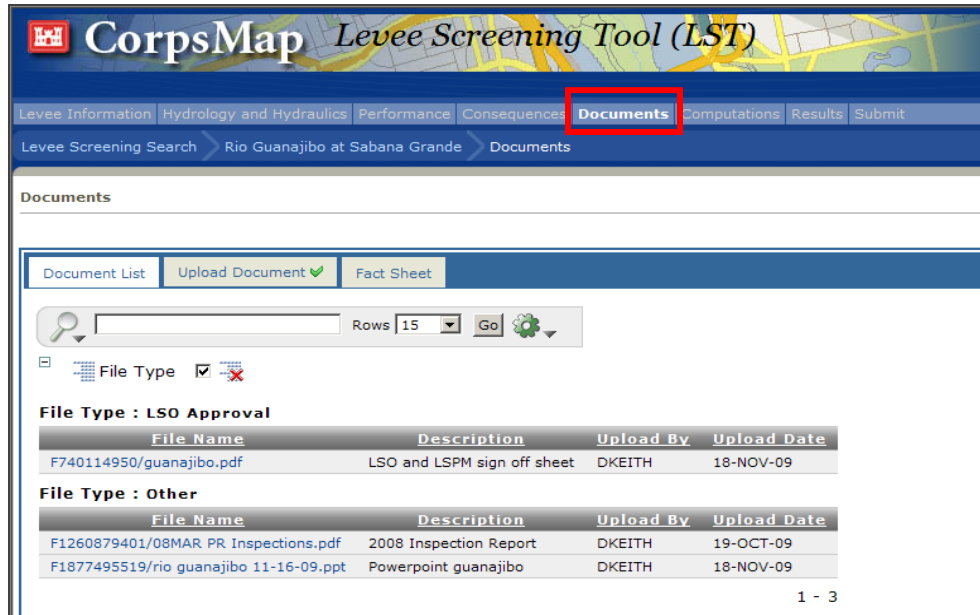


Figure 4.2-4 Documents Page

The Documents section also includes a Fact Sheet page which contains level information including Levee Description, Major Findings and Conclusions, Recommendations, Levee Data, % Contribution to Risk, and Consequences. Levee Description, Major Findings and Conclusions and Recommendations are populated by the District Facilitator. Levee Data, % Contribution to Risk, and Consequences are pre-populated from information provided in the application from other pages. The Fact Sheet can be downloaded from this page.

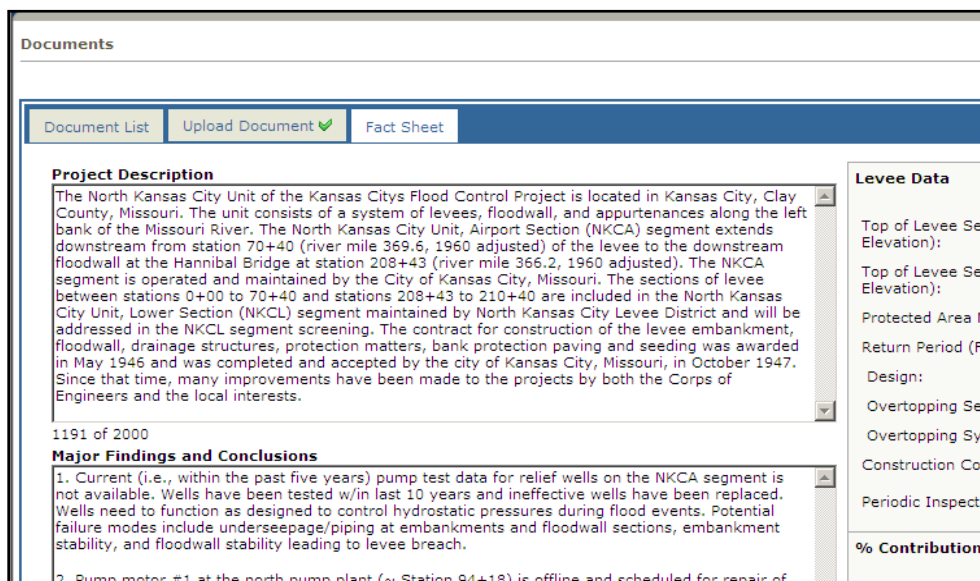


Figure 4.2-5 Fact Sheet Page

Computations

Next page in the Levee Screening data review process is Computations. Click on the Computations link to navigate to the Computations page. The Computations page contains 4 pages represented in the following screen tabs:

1. Performance Mode
2. All Performance Modes
3. Performance Modes Prior to Capacity Exceedance
4. Capacity Exceedance Performance Mode

Performance Mode	All Performance Modes	Performance Modes Prior to Capacity Exceedance	Capacity Exceedance Performance Mode
ICW Status	Performance Mode	Load	Performance
✓ 8/8	Embankment and Foundation Seepage and Piping	3.32E-01	1.09E-03
⚠ 6/7	Embankment Stability	3.32E-01	4.84E-04
✓ 4/4	Embankment Erosion	3.32E-01	4.79E-04
-	Closure Systems Performance Mode	3.32E-01	-
⚠ 0/4	- Post & Panel	3.32E-01	-
⚠ 0/4	- Stoplog/Bulkhead	3.32E-	-

Figure 4.2-6 Computations Page

Results

The final page(s) in the Levee Screening review process is Results. Click on the Results link to navigate to the Computations page. The Computations page contains 3 pages represented in the following screen tabs:

1. Conditional Performance Index Summary
2. Performance Index Vs. Life Loss
3. Performance Index Vs. Economic Loss

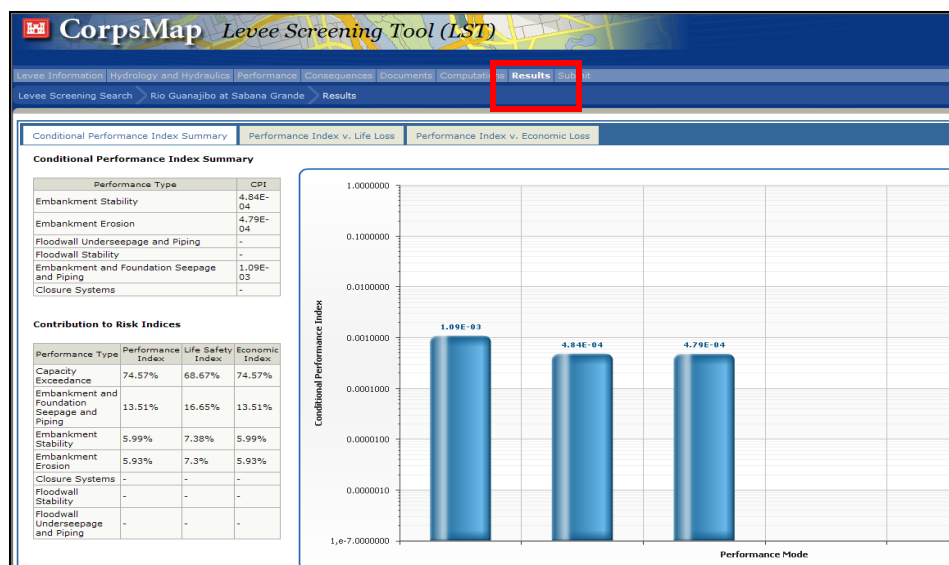


Figure 4.2-7 Results Page

4.3 Levee Screening Approval (MSC, Cadre HQ and SOG)

The final link of the Levee Screening information page is the Status page. Levee screening approval for all levels is executed from this page. Click on the status link to view the Levee Screening Status page. You will see a status bar which indicates the latest level of approval completed.

This page also contains two action buttons:

1. **Accept Screening** – Must be digitally signed with CAC. System sends email notification to the next level of approval and screening is added to their list.
2. **Reject Screening** – Comment must be entered to justify the reason for rejection. It is recommended that a correction action is entered in the comments section of the Reject Screening page. CAC is not required to reject a screening.

CorpsMap Levee Screening Tool (LST)

Levee Information | Hydrology and Hydraulics | Performance | Consequences | Documents | Computations | Results | **Status**

Levee Screening Search | Brevort Levee | Submit Levee Screening

Validate and Submit

Status | History

Screening Status

MSC_APPROVED - The levee screening has been approved at MSC level

Submitted | LSPM Approved | LSO Approved | MSC Approved | National Approved | SOG Approved

66.67%

National Screening Approval

[Accept Screening](#) | [Reject Screening](#)

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Figure 4.3-1 Levee Screening Status Page

Additionally, the Levee Screening Status Page contains a History tab which contains a list of the approval details such as date, time, approver name and comments.

Status	History
Status History	
Time	07-MAY-10 02:08:11.186381 PM
Status	MSC_APPROVED
Name	Matt Sabol
Signer	SABOL.MATTHEW.KEYE.1125949939
Time	07-MAY-10 02:08:00.522207 PM
Status	LSO_APPROVED
Name	Matt Sabol
Signer	SABOL.MATTHEW.KEYE.1125949939
Time	07-MAY-10 02:07:52.838260 PM
Status	LSPM_APPROVED
Name	Matt Sabol
Signer	SABOL.MATTHEW.KEYE.1125949939
Time	07-MAY-10 02:07:44.646626 PM
Status	SUBMITTED
Name	Matt Sabol
Comments	asdf asdf asdf asdf asdf
Time	07-MAY-10 02:02:57.801748 PM
Status	OPEN
Name	Matt Sabol

1 - 5

Figure 4.3-2 Approval History Page

Levee Screening Performance Rating (MSC Only)

MSC level approver has the option to change the levee screening performance rating before approving the levee screening. Select the rating you would like to change by clicking on an individual rating from one of the category columns.

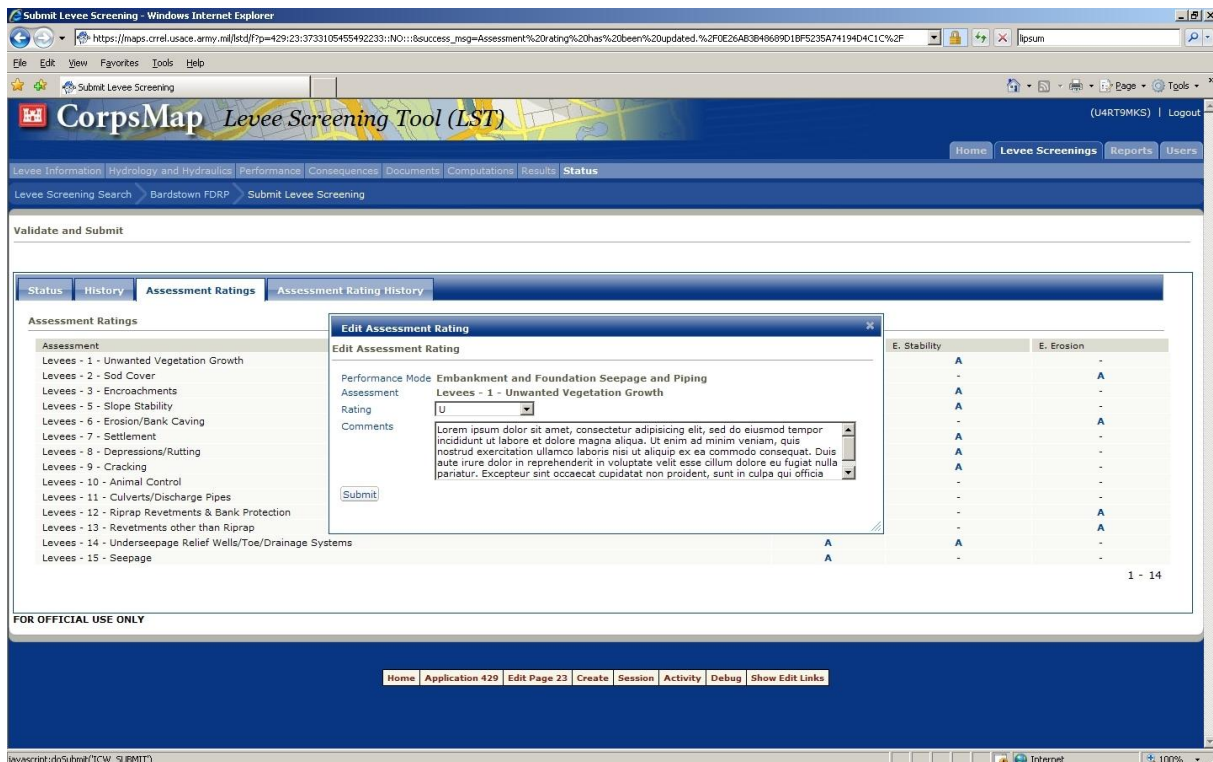


Figure 4.3-3 Assessments Ratings Page

An edit assessment window will appear. Select a new rating from the pull down menu. Final step in the Update Levee Screening Rating process is to add a comment to justify your reason for the change. Once entered, click the Submit button. An email will be sent to you and the District Facilitator with a notification that the levee rating has changed. A history of assessment rating can be viewed by clicking on the Assessment Rating History tab.

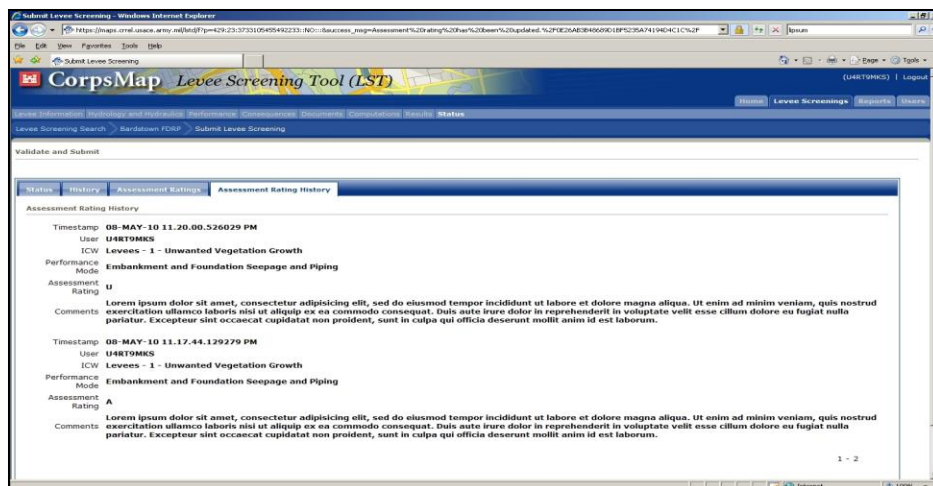


Figure 4.3-4 Assessment Rating History

Levee Screening Performance Rating - LSAC (Cadre HQ and SOG Only)

Only Cadre and SOG level approvers can assign an LSAC rating. The LSAC rating must be assigned before the Levee Screening approval action is submitted. There are 5 possible LSAC ratings:

- I. Urgent and Compelling
- II. Urgent
- III. High Priority
- IV. Priority
- V. Normal

The Cadre HQ approver will recommend the LSAC rating by selecting the radio button that corresponds with his/her recommendation.

CorpsMap Levee Screening Tool (LST) (L1EDHMKD) | Logout

Home Levee Screenings Reports Users

Levee Information Hydrology and Hydraulics Performance Consequences Documents Computations Results **Status**

Levee Screening Search Bardstown FDRP Submit Levee Screening

Validate and Submit

Status History

Screening Status

NATIONAL ACCEPTED - The levee screening has been reviewed at National Cadre and LSAC rating has been approved 75%

Submitted | LSPM Approved | LSO Approved | MSC Approved | National Approved | SOG Approved

Proposed LSAC Rating

☐ I - Urgent and Compelling ☐ II - Urgent ☒ III - High Priority ☐ IV - Priority ☐ V - Normal

National Screening Approval

[Finalize Screening](#) [Reject Screening](#)

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Figure 4.3-5 National Cadre LSAC Rating page

The SOG level approving authority grants the final LSAC rating. They can select the same as the cadre or choose a different rating.

CorpsMap Levee Screening Tool (LST) (L1EDHMKD) | Logout

Home Levee Screenings Reports Users

Levee Information | Hydrology and Hydraulics | Performance | Consequences | Documents | Computations | Results | **Status**

Levee Screening Search > Brevoort Levee > Submit Levee Screening

Validate and Submit

Status Warnings (2) History

Screening Status

NATIONAL_FINALIZED - The levee screening has been reviewed at National Cadre and has been finalized

Submitted | LSPM Approved | LSO Approved | MSC Approved | National Approved | SOG Approved **83.33%**

Proposed LSAC Rating

☒ I - Urgent and Compelling ☐ II - Urgent ☐ III - High Priority ☐ IV - Priority ☐ V - Normal

Final LSAC Rating

☐ I - Urgent and Compelling ☐ II - Urgent ☐ III - High Priority ☒ IV - Priority ☐ V - Normal

SOG Screening Approval

[Approve Screening](#) [Reject Screening](#)

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Figure 4.3-6 SOG LSAC Rating Page

Digital Signature

If the action is “approve screening”, the approver should ensure that their CAC card is inserted into the card reader. Click on the Approve Screening button. A dialog box will appear prompting the LSPM to enter the master password (pin).

Submit Levee Screening

CorpsMap Levee Screening Tool (LST) Home Levee Screenings

Levee Information | Hydrology and Hydraulics | Performance | Consequences | Documents | Computations | Results | Log **Submit**

Levee Screening Search > Levee Unit No. 5 > Submit Levee Screening

Levee screening submitted for review.

Validate and Submit

Warnings Submit Screening

Submit Screening

All validation errors must be resolved prior to being able to submit a levee screening. The levee screening has been completed by the facilitator at the district level and is ready for review.

District LSPM Screening Approval

[Approve Screening](#) [Reject Screening](#)

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Password Required

Please enter the master password for the ActiveIdentity ActiveClient 0.

OK Cancel

Figure 4.3-7 Pin Entry Dialog Box

DRAFT

A second dialogue box will appear prompting the user to re-enter their master password (pin) confirming their desire to sign the message.

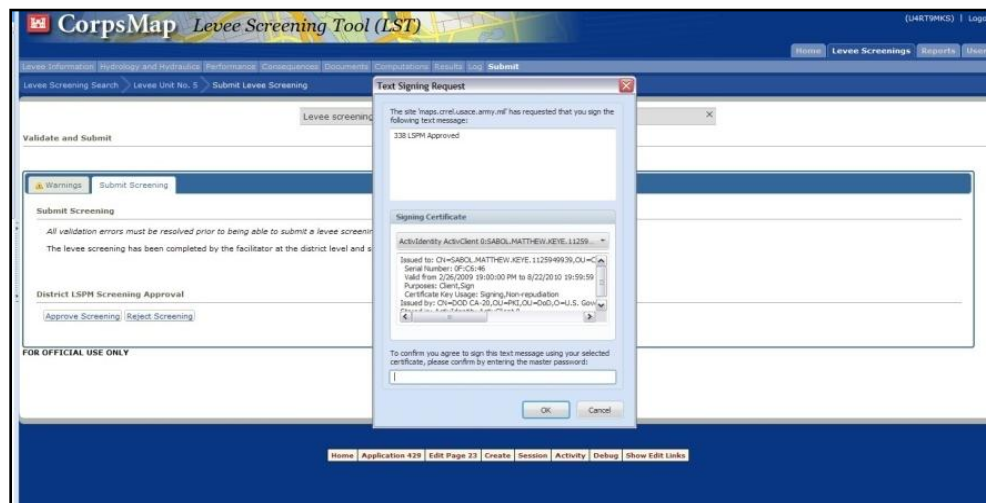


Figure 4.3-8 Certificate Signature

Choose certificate – Click OK

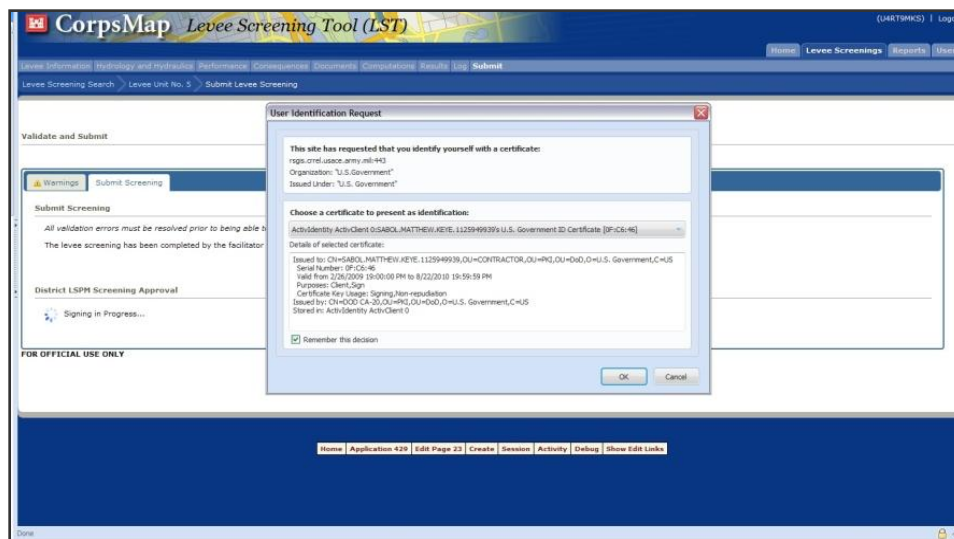


Figure 4.3-9 User Identification Request Box

Enter your LST user name and password

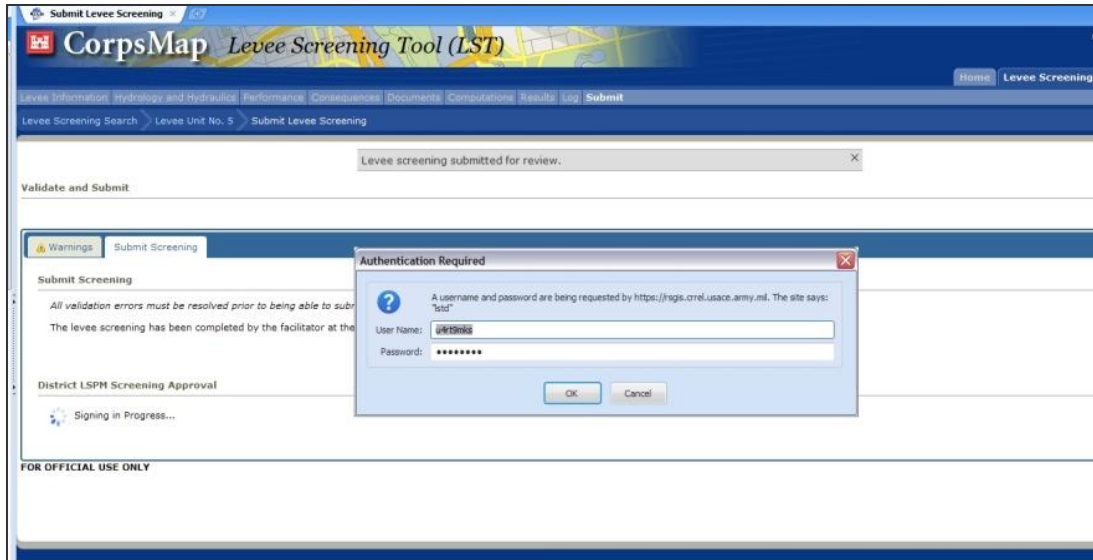


Figure 4.3-10 Approver Authentication

4.4 Reject Levee Screening (MSC, Cadre HQ and SOG)

A levee screening can be rejected at any level. To reject a level screening click on the Reject Screening button from the Levee Status page. You will be directed to the reject screening page. You are required to enter an explanation for the rejection action. Click on Submit Screening to finalize the reject screening process. Rejected screenings are returned to the District Facilitator and have to go through the entire approval process once corrected.

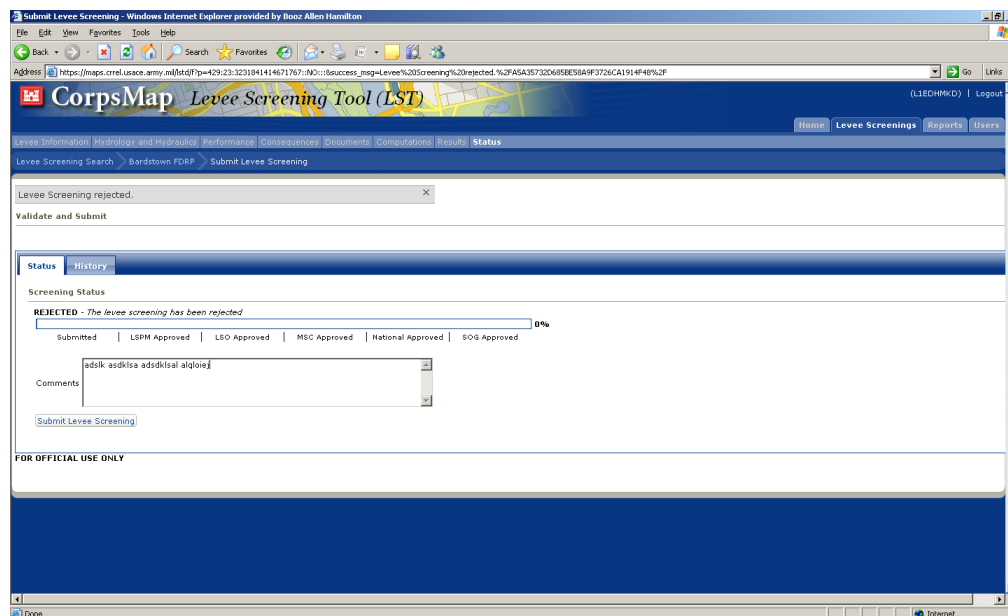


Figure 4.4-1 Reject Levee Screening

DRAFT

5. Action Menus

The Actions Menu is used to customize the display of your Interactive Report. Action menus are located on the Levee Screening and Reports pages (see section 3.1).

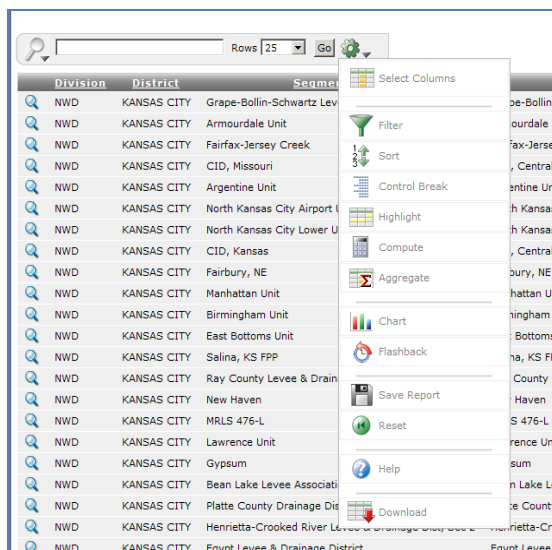


Figure 5-1 Actions Menu

Select Columns



You may modify the columns displayed. The columns on the right are displayed. The columns on the left are hidden. You can reorder the displayed columns using the arrows on the far right. Computed columns are prefixed with **.

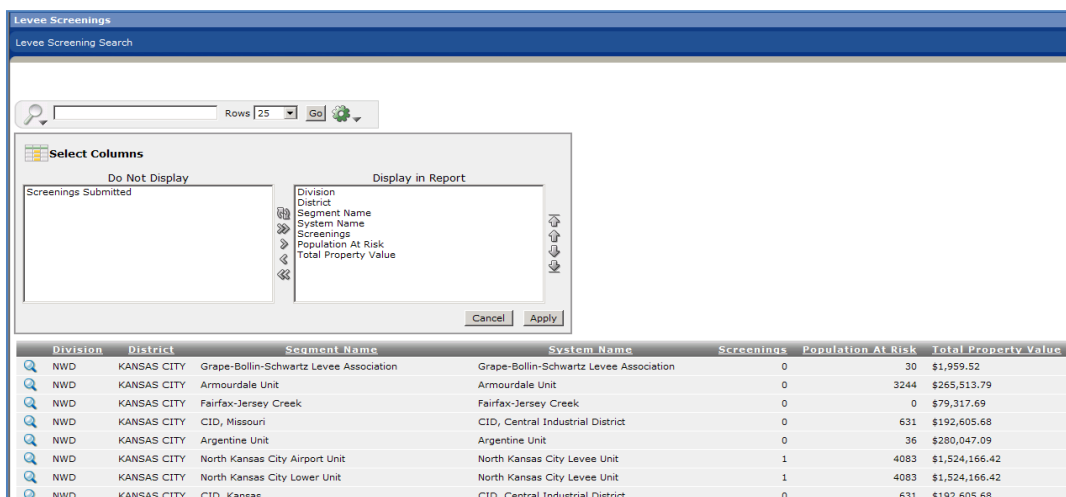
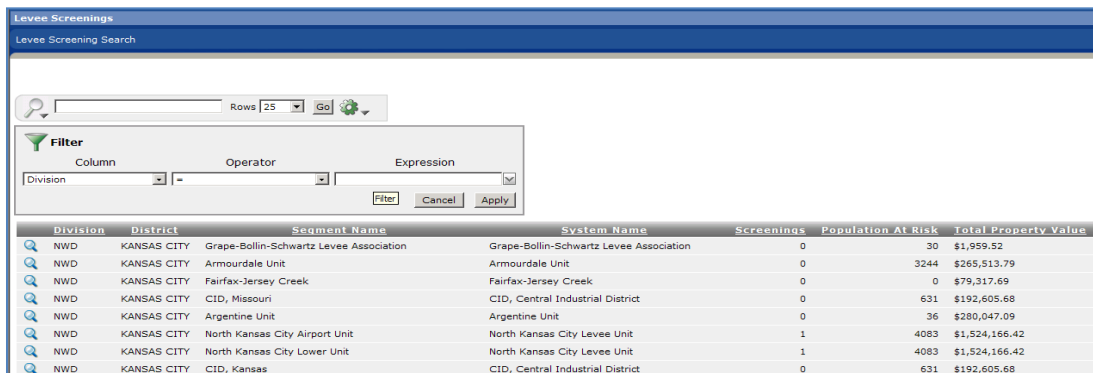


Figure 5-2 Select Columns

Filter

You may filter to add or modify the where clause on the query. First select a column (it does not need to be one that is displayed), select from a list of standard Oracle operators (=, !=, not in, between, like, contains, etc.), and enter an expression to compare against. The expression is case sensitive and you can use % as a wild card (e.g. STATE_NAME like A%).

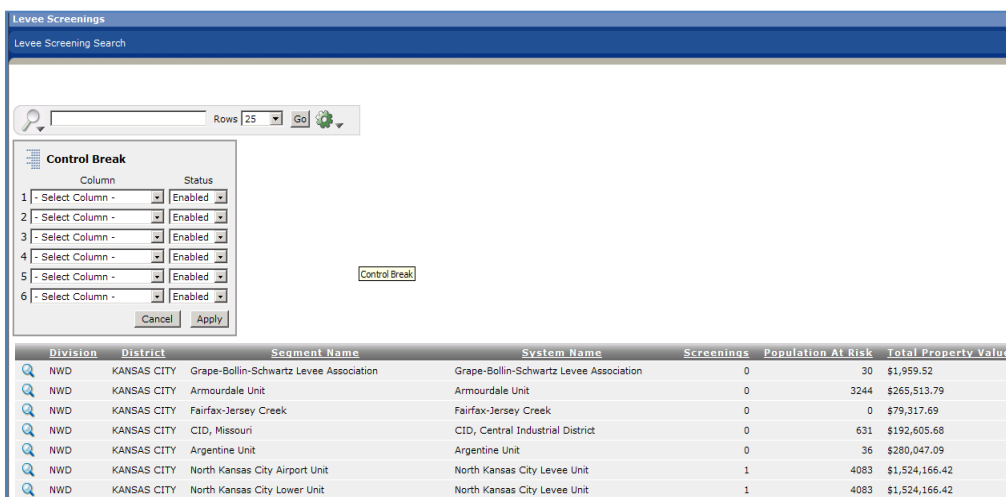


Division	District	Segment Name	System Name	Screenings	Population At Risk	Total Property Value
NWD	KANSAS CITY	Grape-Bollin-Schwartz Levee Association	Grape-Bollin-Schwartz Levee Association	0	30	\$1,959.52
NWD	KANSAS CITY	Armourdale Unit	Armourdale Unit	0	3244	\$265,513.79
NWD	KANSAS CITY	Fairfax-Jersey Creek	Fairfax-Jersey Creek	0	0	\$79,317.69
NWD	KANSAS CITY	CID, Missouri	CID, Central Industrial District	0	631	\$192,605.68
NWD	KANSAS CITY	Argentine Unit	Argentine Unit	0	36	\$280,047.09
NWD	KANSAS CITY	North Kansas City Airport Unit	North Kansas City Levee Unit	1	4083	\$1,524,166.42
NWD	KANSAS CITY	North Kansas City Lower Unit	North Kansas City Levee Unit	1	4083	\$1,524,166.42
NWD	KANSAS CITY	CID, Kansas	CID, Central Industrial District	0	631	\$192,605.68

Figure 5-3 Filter

Control Break

A control break may be used to create a break group on one or several columns. This pulls the columns out of the Interactive Report and displays them as a master record.



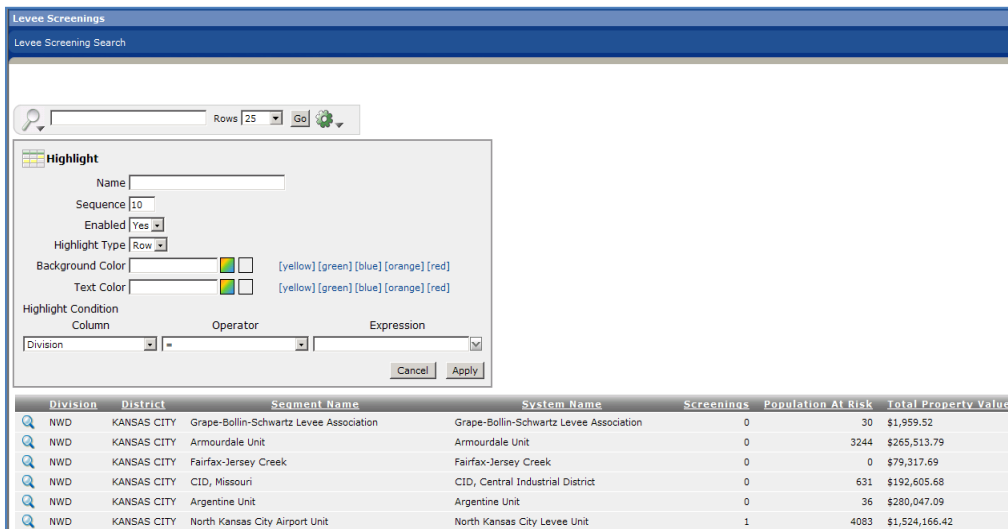
Division	District	Segment Name	System Name	Screenings	Population At Risk	Total Property Value
NWD	KANSAS CITY	Grape-Bollin-Schwartz Levee Association	Grape-Bollin-Schwartz Levee Association	0	30	\$1,959.52
NWD	KANSAS CITY	Armourdale Unit	Armourdale Unit	0	3244	\$265,513.79
NWD	KANSAS CITY	Fairfax-Jersey Creek	Fairfax-Jersey Creek	0	0	\$79,317.69
NWD	KANSAS CITY	CID, Missouri	CID, Central Industrial District	0	631	\$192,605.68
NWD	KANSAS CITY	Argentine Unit	Argentine Unit	0	36	\$280,047.09
NWD	KANSAS CITY	North Kansas City Airport Unit	North Kansas City Levee Unit	1	4083	\$1,524,166.42
NWD	KANSAS CITY	North Kansas City Lower Unit	North Kansas City Levee Unit	1	4083	\$1,524,166.42

Figure 5-4 Control Break

Highlight

Highlighting allows you to define a filter. The rows that meet the filter are highlighted using the characteristics associated with the filter.

- **Name** is used only for display.
- **Sequence** identifies the sequence in which the rules will be evaluated.
- **Enabled** identifies if the rule is enabled or disabled.
- **Highlight Type** identifies whether the Row or Cell should be highlighted. If a Cell is selected, the column referenced in the Highlight Condition is highlighted.
- **Background Color** is the new color for the background of the highlighted area.
- **Text Color** is the new color for the text in the highlighted area.
- **Highlight Condition** defines your filter condition.



The screenshot shows the 'Levee Screenings' application window. At the top is a 'Levee Screening Search' bar. Below it is a search area with a magnifying glass icon, a text input field, and a 'Rows' dropdown set to '25'. A 'Go' button and a refresh icon are also present. The 'Highlight' dialog box is open, showing fields for 'Name', 'Sequence' (set to 10), 'Enabled' (set to Yes), 'Highlight Type' (set to Row), 'Background Color' (with a color picker showing yellow), and 'Text Color' (with a color picker showing green). The 'Highlight Condition' section shows 'Column' set to 'Division', 'Operator' set to '=', and an empty 'Expression' field. 'Cancel' and 'Apply' buttons are at the bottom of the dialog. Below the dialog is a table with the following data:

Division	District	Segment Name	System Name	Screenings	Population At Risk	Total Property Value
NWD	KANSAS CITY	Grape-Bollin-Schwartz Levee Association	Grape-Bollin-Schwartz Levee Association	0	30	\$1,959.52
NWD	KANSAS CITY	Armourdale Unit	Armourdale Unit	0	3244	\$265,513.79
NWD	KANSAS CITY	Fairfax-Jersey Creek	Fairfax-Jersey Creek	0	0	\$79,317.69
NWD	KANSAS CITY	CID, Central Industrial District	CID, Central Industrial District	0	631	\$192,605.68
NWD	KANSAS CITY	Argentine Unit	Argentine Unit	0	36	\$280,047.09
NWD	KANSAS CITY	North Kansas City Airport Unit	North Kansas City Levee Unit	1	4083	\$1,524,166.42

Figure 5-5 Query and Reporting Functions

Compute

Computations allow you to add computed columns to your report. These can be mathematical computations (e.g. $\text{NBR\_HOURS}/24$) or standard Oracle functions applied to existing columns (some have been displayed for example, others, like `TO_DATE`, can also be used).

- **Computation** allows you to select a previously defined computation to edit.
- **Column Heading** is the column heading for the new column.
- **Format Mask** is an Oracle format mask to be applied against the column (e.g. S9999).

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- **Computation** is the computation to be performed. Within the computation, columns are referenced using the aliases displayed.

Below computation, the columns in your query are displayed with their associated alias. Clicking on the column name or alias will write them into the Computation. Next to Columns is a Keypad. These are simply shortcuts of commonly used keys. On the far right are Functions.

An example computation to display all LRN screening is:

District = 'LRN'

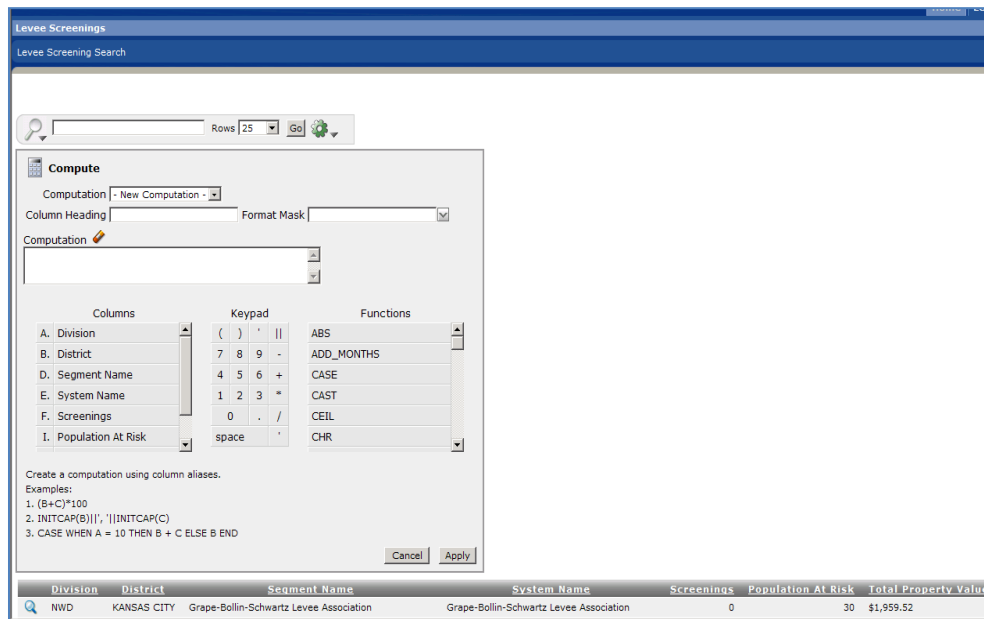


Figure 5-6 Compute

Aggregate

Aggregates are mathematical computations performed against a column. Aggregates are displayed after each control break and at the end of the report within the column they are defined.

- **Aggregation** allows you to select a previously defined aggregation to edit.
- **Function** is the function to be performed (e.g. SUM, MIN).
- **Column** is used to select the column to apply the mathematical function to. Only numeric columns will be displayed.

Division	District	Segment Name	System Name
NWD	KANSAS CITY	Grape-Bollin-Schwartz Levee Association	Grape-Bollin-Schwartz Levee Association
NWD	KANSAS CITY	Armourdale Unit	Armourdale Unit
NWD	KANSAS CITY	Fairfax-Jersey Creek	Fairfax-Jersey Creek
NWD	KANSAS CITY	CID, Missouri	CID, Central Industrial District
NWD	KANSAS CITY	Argentine Unit	Argentine Unit
NWD	KANSAS CITY	North Kansas City Airport Unit	North Kansas City Levee Unit
NWD	KANSAS CITY	North Kansas City Lower Unit	North Kansas City Levee Unit
NWD	KANSAS CITY	CID, Kansas	CID, Central Industrial District

Figure 5-7 Aggregate Tool

Chart

You can include one chart per Interactive Report. Once defined, you can switch between the chart and report views using links below the search bar.

- **Chart Type** identifies the chart type to include. Select from horizontal bar, vertical bar, pie or line.
- **Label** allows you to select the column to be used as the label.
- **Axis Title for Label** is the title that will display on the axis associated with the column selected for Label. This is not available for pie chart.
- **Value** allows you to select the column to be used as the value. If your function is a COUNT, a Value does not need to be selected.
- **Axis Title for Value** is the title that will display on the axis associated with the column selected for Value. This is not available for pie chart.
- **Function** is an optional function to be performed on the column selected for Value.

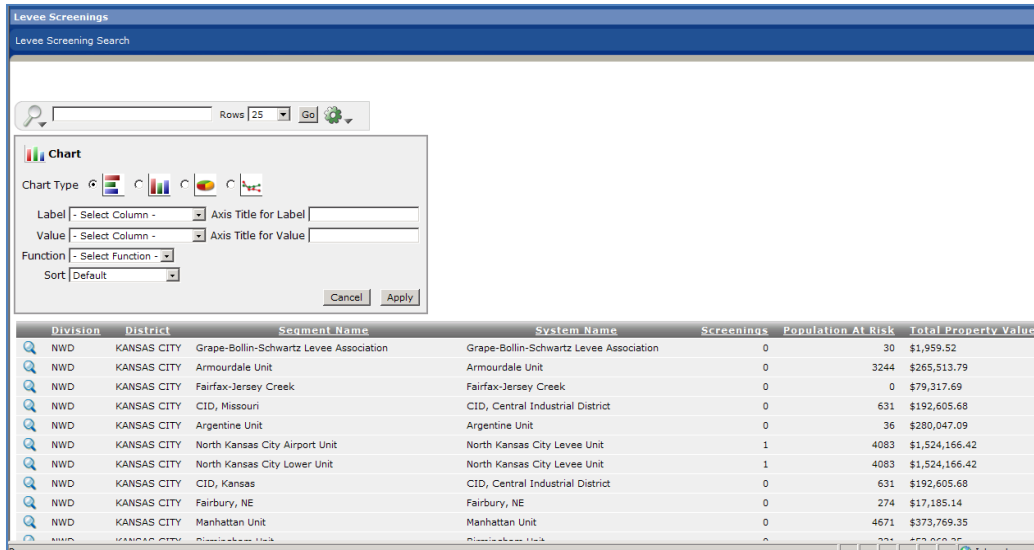


Figure 5-8 Chart Tool

Flashback



Using flashback performs a flashback query to allow you to view the data as it existed at a previous point in time. The default amount of time that you can flashback is 3 hours (or 180 minutes) but the actual amount will differ per database.

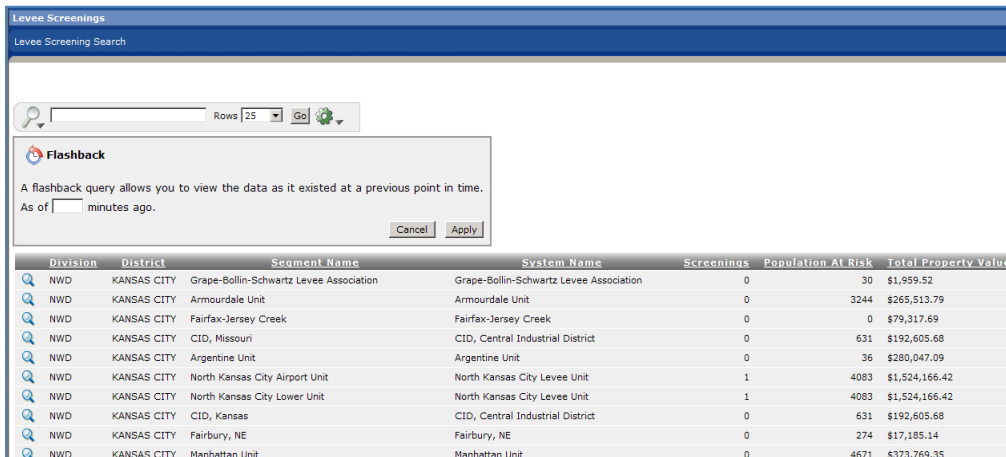
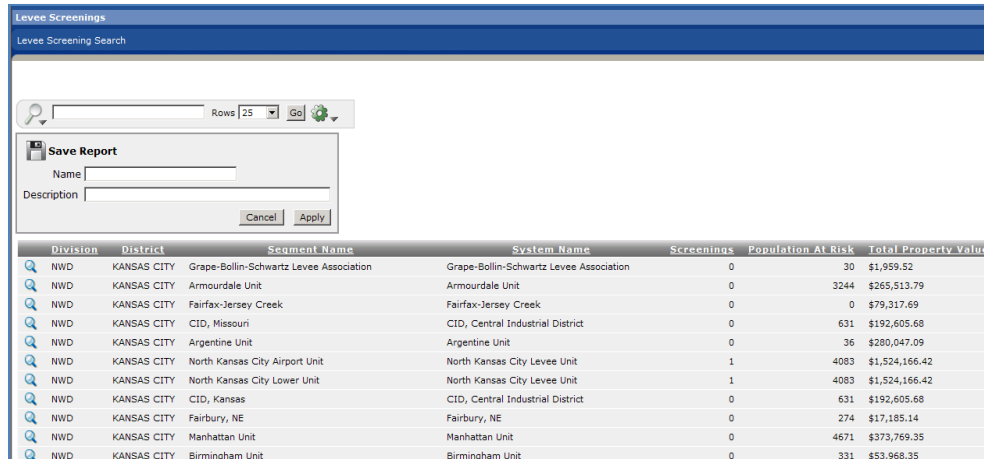


Figure 5-9 Flashback Query

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Save Report

You may save the customized report for future use. You can provide a name and an optional description.

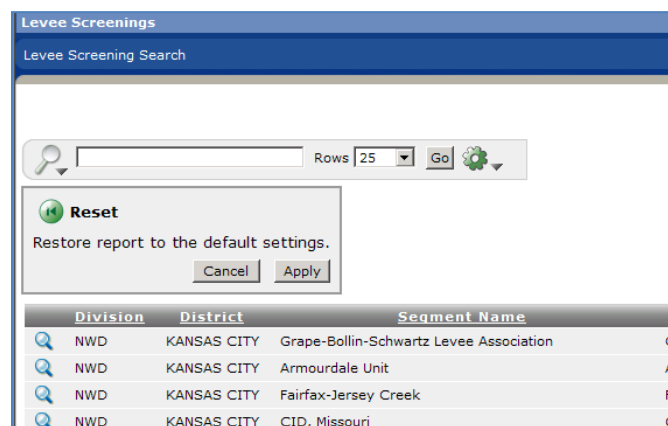


Division	District	Segment Name	System Name	Screenings	Population At Risk	Total Property Value
NWD	KANSAS CITY	Grape-Bollin-Schwartz Levee Association	Grape-Bollin-Schwartz Levee Association	0	30	\$1,959.52
NWD	KANSAS CITY	Armourdale Unit	Armourdale Unit	0	3244	\$265,513.79
NWD	KANSAS CITY	Fairfax-Jersey Creek	Fairfax-Jersey Creek	0	0	\$79,317.69
NWD	KANSAS CITY	CID, Missouri	CID, Central Industrial District	0	631	\$192,605.68
NWD	KANSAS CITY	Argentine Unit	Argentine Unit	0	36	\$280,047.09
NWD	KANSAS CITY	North Kansas City Airport Unit	North Kansas City Levee Unit	1	4083	\$1,524,166.42
NWD	KANSAS CITY	North Kansas City Lower Unit	North Kansas City Levee Unit	1	4083	\$1,524,166.42
NWD	KANSAS CITY	CID, Kansas	CID, Central Industrial District	0	631	\$192,605.68
NWD	KANSAS CITY	Fairbury, NE	Fairbury, NE	0	274	\$17,185.14
NWD	KANSAS CITY	Manhattan Unit	Manhattan Unit	0	4671	\$373,769.35
NWD	KANSAS CITY	Birmingham Unit	Birmingham Unit	0	331	\$53,968.35

Figure 5-10 Save Reports

Reset

You may reset the report back to the default settings, removing any customizations that you have made.



Division	District	Segment Name	System Name
NWD	KANSAS CITY	Grape-Bollin-Schwartz Levee Association	Grape-Bollin-Schwartz Levee Association
NWD	KANSAS CITY	Armourdale Unit	Armourdale Unit
NWD	KANSAS CITY	Fairfax-Jersey Creek	Fairfax-Jersey Creek
NWD	KANSAS CITY	CID, Missouri	CID, Central Industrial District

Figure 5-11 Reset

Download Report

Download report allows you to download a customized report in various file formats. Currently LST supports the CSV file format.

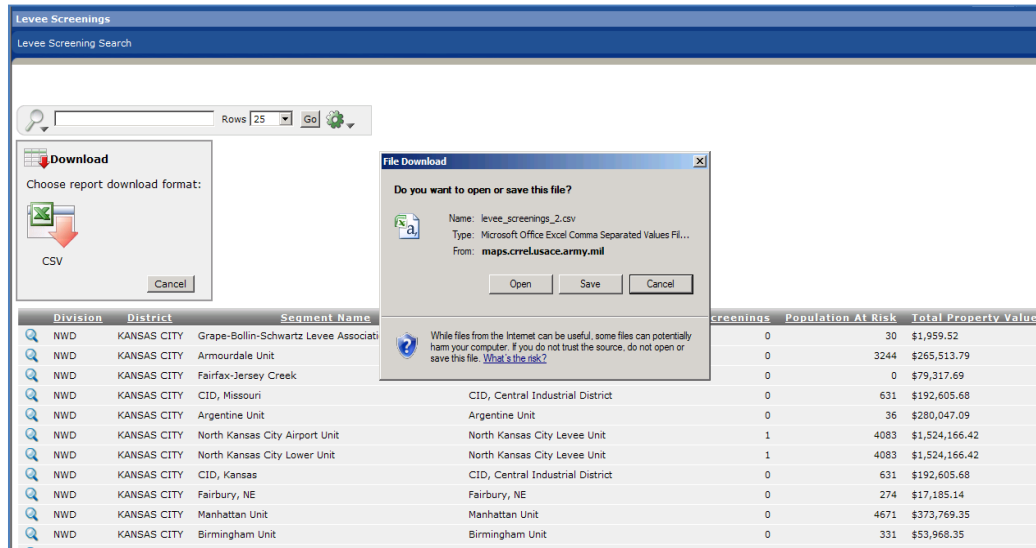


Figure 5-12 Download Report

6. Logout of LST

When you are finished using the Web Based LST application you should log out. To log out of LST, click on the Logout link in the upper right hand corner of the web page. If you have successfully logged out you see a web page with the following message **“You have been logged off from LST”**.

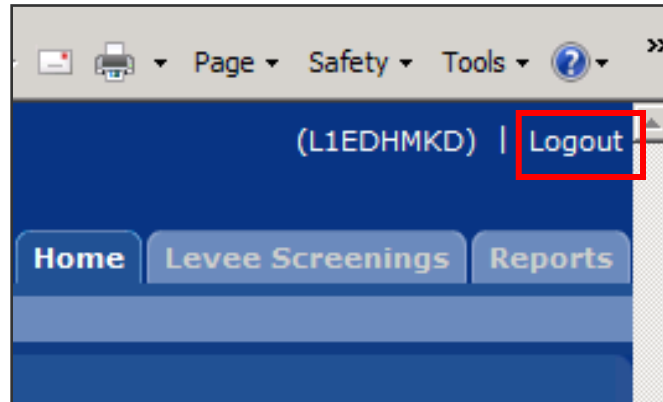


Figure 6-1 Logout

A. – List of Acronyms

Acronym	Definition
ACE-IT	Army Corps of Engineers Information Technology
CAC	Common Access Card
CRREL	Cold Regions Research and Engineering Laboratory
CSV	Comma Separated Values (Spreadsheet)
DoD	Department of Defense
EM	Engineering Manual
ERDC	Engineer Research and Development Center
HEC	Hydraulic Engineering Center
IE	Internet Explorer
HQ USACE	Headquarters, U.S. Army Corps of Engineers
LIS	Levee Inspection System
LSAC	Levee Screening Action Classification
LSO	Levee Safety Officer
LSPM	Levee Safety Program Manager
NFIP	National Flood Insurance Program
NLD	National Levee Database
LST	Levee Screening Tool
MSC	Major Subordinate Command
POC	Point of contact
QA/QC	Quality assurance / quality control
SOG	Senior Oversight Group
URL	Uniform Resource Locator (Web Address)
USACE	U.S. Army Corps of Engineers
VPN	Virtual Private Network